



SIKKIM UNIVERSITY

**(A Central University established by an Act of Parliament in 2007
and accredited by NAAC in 2015)**



SYLLABUS FOR DEPARTMENTS IN SCHOOL OF HUMAN SCIENCES

DEPARTMENT OF ANTHROPOLOGY

DEPARTMENT OF GEOGRAPHY

DEPARTMENT OF PSYCHOLOGY



FOREWORD

Sikkim University, a central university established by an Act of Parliament, has completed twelve years of its establishment in July, 2019. The duration of course, is not a long period in the institution building process but certainly Sikkim University has become a new destination for higher learning in this short span.

One of the focused areas of the University since inception has been curriculum development. There has been a tradition of bringing in the best minds in academia from all over the country including people with lot of experiences for developing curriculum for the courses offered in Sikkim University.

Sikkim University has a standard policy of reviewing/ revising curriculum of all programmes after every three years. Such revision is to bring in fresh ideas and recent trends in learning process and, we believe, it opens up a new vista in learning and research. The last revision/review of curriculum of all the programmes took place in 2017 under the supervision of the Deans of School of Studies.

The idea to print syllabi of all departments under each School of Study is to document the syllabus of each course for future reference and to have an authentic version in circulation. This initiative received instant encouragement from Prof. Jyoti Prakash Tamang, Dean School of Life Sciences when he was officiating as the Vice-Chancellor and also from the present Vice-Chancellor Prof. Avinash Khare.

A lot of efforts have been put by Sh. Gagan Sen Chettri, UDC in Academic Section in compiling, editing and formatting under supervision of Dr. Suresh Kr. Gurung, Joint Registrar. All Deans of Schools and the Head(s)/In-charge(s) of all departments have taken pains in going through each and every word and making corrections in the draft versions and also going through the final version. Sometimes even their help was sought in making corrections. It was therefore, possible to bring out the print version of the syllabi.

(T.K Kaul)
Registrar



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DEPARTMENT OF ANTHROPOLOGY
MA/M.Sc SYLLABUS

Semester	Course No	Course Title	Credits
I	ANT-PG-C101	Social and Cultural Anthropology	4
	ANT-PG-C102	Physical Anthropology	4
	ANT-PG-C103	Archaeological Anthropology	4
	ANT-PG-C104	Linguistic Anthropology	4
II	ANT-PG-C201	Economic and Political Anthropology	4
	ANT-PG-C202	Ecological Anthropology	4
	ANT-PG-C203	Fundamentals of Genetics	4
	ANT-PG-O204	Human Evolution	4
SPECIALIZATION			
III	Social and Cultural Anthropology		
	ANT-PG-C301	Fieldwork Methods and Techniques	4
	ANT-PG-C302	Theories in Social and Cultural Anthropology	4
	ANT-PG-C303	Anthropology of India	4
	ANT-PG-O304	Anthropology of North East India	4
	Physical Anthropology		
	ANT-PG-C301	Fieldwork Methods and Techniques	4
	ANT-PG-C305	Bio Cultural Anthropology	4
ANT-PG-C306	Human Growth and Development	4	
ANT-PG-C307	Practical in Physical Anthropology – I	4	
IV	Social and Cultural Anthropology		
	ANT-PG-C401	Medical Anthropology	4
	ANT-PG-C402	Contemporary Issues in Anthropology	4
	ANT-PG-C403	Material Culture and Visual Anthropology	4
	ANT-PG-C404	Field based Dissertation and Viva Voce*	4
	Physical Anthropology		
	ANT-PG-C404	Field based Dissertation and Viva Voce*	4
	ANT-PG-C405	Human Genetics	4
ANT-PG-C406	Applied Physical Anthropology	4	
ANT-PG-C407	Practical in Physical Anthropology – II	4	
Total		Social and Cultural Anthropology	64
		Physical Anthropology	64

*Theoretical and methodological preparation for this paper begins with Course No.ANT-PG-C301. Supervisors for this paper are allotted in the beginning of the 3rd Semester, and the students leave for fieldwork training soon after the 3rd Semester examination. Students write their dissertations during the 4th Semester and the same are submitted for evaluation before the commencement of the 4th Semester examination.

**ANT-PG-C101****SOCIAL AND CULTURAL ANTHROPOLOGY****Unit I: Introduction**

Origin of Anthropology. History, aim, scope and development of social and cultural anthropology. Relationship with other disciplines. Basic Concepts: Culture, civilization, tribe, caste, society, social institutions, ethno-centrism, xenophobia, cultural relativism, etic and emic, race, ethnicity.

Unit II: Marriage and Family

Definition, Types and rules of marriage and residence. Marriage as exchange- Dowry and Bridewealth, Definition and functions of family, Types of family. Recent changes in marriage and family- impact of urbanization/ industrialization.

Unit III: Kinship

History of Kinship studies, Classification of kinship types, descent groups- principles of descent and Alliance theory, Forms of descent; Lineage, Clan, Pharty, Moiety and Kindred, Recent developments in Kinship studies- Needham and Schneider.

Unit IV: Religion

Origins of Religion and definition. rites of passage. ritual and myth. sacred and profane. Magic, Witchcraft and Sorcery beliefs. Totem, taboo, priests, possession and shamanism. Cultural revivalism, cults and syncretism. commercialization of religion.

Suggested Readings

1. Doshi, S.L. 2001. Social Anthropology. New Delhi: Rawat.
2. Dube, S.C. 1993. Understanding Change: Anthropological and Sociological Perspectives. New Delhi: Vikas.
3. Ember, C.R. and Ember, M.R. 2013. Anthropology, 13th edn. New Delhi: Pearson
4. Kuper, A. 1999. Culture: The Anthropologist's Account. London: Harvard University Press. Leach, E.R. 1986. Social Anthropology. Glasgow: Fontana Press.
5. Needham, R. 1962. Structure and Sentiments. Chicago: U Press.
6. Parkin, R and L. Stone. 2004. Kinship and Family: An Anthropological Reader. Oxford: Blackwell Publishers.
7. Rapport, Nigel and J. Overing. 2000. Social and Cultural Anthropology: The Key Concepts. London: Routledge.
8. Schneider, D and K. Gough. 1961. Matrilineal Kinship. Berkeley: University of California Press. Uberoi, P (ed). 1993. Family, Kinship and Marriage in India. Delhi: OUP

**ANT-PG-C102****PHYSICAL ANTHROPOLOGY****Unit I: Introduction**

History and development of physical anthropology. Branches of physical anthropology. Relationship with allied disciplines, recent trends and applications.

Unit II: Theories of Evolution

Lamarck's theory, Darwin's theory, Mendel's theory, Mutation theory, Synthetic theory, mtDNA theory, Multi-regional hypothesis, Replacement theory.

Unit III: Principles of Evolution

Evidence of evolution, concept of microevolution and macroevolution. Principles of evolution: convergence, divergence, parallelism, adaptive radiation, speciation, irreversibility.

Unit IV: Race

Concept of Race, racial criteria and formation of races, Distribution and characteristics of Caucasoid, Negroid and Mongoloid, Racial classification of Indian population – Guha, Risley and Sarkar.

Suggested Readings

1. Ashley-Montagu, M.E. 1961. An Introduction to Physical Anthropology. Illinois: Charles C. Thomas. Ciochon, R.L. 2011. Introduction to Physical Anthropology, 13th ed. Belmont: Wadsworth Cengage Learning.
2. Das, B.M. 1997. Outline of Physical Anthropology. Allahabad: Kitab Mahal.
3. Jurmain, R., L. Kilgore and W. Trevathan. 2011. Essentials of Physical Anthropology, 8th edition. Belmont: Wadsworth Cengage Learning.
4. Larsen, C.S.(ed.). 2010. A Companion to Biological Anthropology. London: John Wiley & Sons. Lewin, R. and R. Foley. 2003. Principles of Human Evolution. Oxford: Blackwell Publishing.
5. Molnar, S. 1992. Human Variation: Races, Types, and Ethnic Groups. New Jersey: Prentice Hall.
6. Stein, P. and B.M. Rowe. 2010. Physical Anthropology, 10th edition. New York: McGraw Hill Book Co. Sarkar, R.M. 2004.
7. Fundamentals of Physical Anthropology. Kolkata: Book World Publishers. 4 Stanford, C., J.S. Allen and S.C. Anton. 2013. Biological Anthropology, 3rd edition. New York: Pearson.

**ANT-PG-C103****ARCHAEOLOGICAL ANTHROPOLOGY****Unit I: Introduction**

Scope and aims; Historical Development; Major branches and its relation with other disciplines; geological time scale; major climatic changes during Pleistocene; climatic markers-moraines, river terraces, loess sea level changes; dating methods.

Unit II: Prehistoric Cultures

Palaeolithic (lower, middle, upper) cultures of Europe and India – distribution, habitat and assemblage/typo-technology;

Mesolithic cultures of Europe; Mesolithic cultures of India- Langhnaj, Teri sites, Bagor, Bhimbetka..

Neolithic cultures- Jericho, Jarmo, Catal Huyuk, Burzahom, Brahmagiri, Utnur, Daojali Hading, Nevasa, Inamgaon.

Unit III: Typo-Technology

Tool manufacturing techniques- Percussion technique: Primary and secondary flaking; Block-on-block/Anvil technique; Direct percussion/stone hammer technique; Step or resolved flaking; Cylinder hammer technique; Clactonian technique; Levalloisian technique; Pressure flaking technique; Fluting technique; Backing or blunting; Grinding and polishing.

Typologies or Types of tools- Pebble tools; Scrapers; Blade knife; Points; Microliths.

Unit IV: Chalcolithic and Early Iron Age Cultures

Indus Valley Civilization-Origin, characteristics, decline people and society; Ahar culture, Malwa cultures, Jorwe cultures; Beginning of Iron Age - PGW and NBP; Megalithic cultures of India.

Suggested Readings:

1. Agrawal, D.P. 1982. The Archaeology of India. New Delhi: Select Books Syndicate.
2. Allchin, B and R. Allchin. 1983. The Rise of Civilization in India and Pakistan. New Delhi: SBS.
3. Bar-Yosef, O and F. Valla. 1990. 'The Natufian Culture and the Origin of the Neolithic in the Levant', Current Anthropology. 31 (4): 433-436.
4. Bhattacharya, D.K. 1989. An Outline of Indian Prehistory. New Delhi: Popular Books. Chard, C. S. 1975. Man in Prehistory. New York: McGraw-Hill Book Co.
5. Burkitt, M.C. 1963. The Old Stone Age: A Study of Palaeolithic Times. New York: New York University Press.
6. Fagan, B.M. 2004. People of the Earth. 11th ed. Delhi: Pearson Edu. Gorman, C. 1969. Hoabinhian: A Pebble Tool Complex with Early Plant associations in Southeast Asia. Science. New Series. 163 (3868): 671-673.
7. Mishra, V.N. 1973. 'Bagor- A Late Mesolithic Settlement of Northwest India', World Archaeology. 5 (1): 92-110.
8. Sankalia, H.D. 1969. 'Problems in Indian Archaeology and Methods and Techniques to Tackle Them', World Archaeology. 1 (1): 29-40.
9. Sankalia, H.D. 1974. The Prehistory and Protohistory of India and Pakistan. Pune: Deccan College. Sharma, T.C and D.N Majumdar. 1979. Eastern Himalayas. New Delhi: Cosmo Publications.

**ANT-PG-C104****LINGUISTIC ANTHROPOLOGY****Unit I: Language and Culture**

Origin, evolution and characteristics of language; Verbal and Non-verbal communication; Human and nonhuman communication. Linguistic anthropology, Linguistic relativism.

Unit II: Definition, Nature and Scope of Linguistic Anthropology

Socio-cultural dimensions of language. Study of multilingualism. Ethnic minorities and tribal languages, endangered languages and revitalization.

Unit III: Social Context of Language

Process of language acquisition and socialization. Structural linguistics: lingua, parole, language and culture analysis in anthropological tradition, Sapir-Whorf hypothesis, language and social roles, phatic communion.

Unit IV: Structure of Linguistic Forms

Phonemes and phonology, morphemes and morphology, syntax and semantics. Lexical relations: synonymy, antonymy, homophony, homonymy.

Suggested Readings

1. Bauman, R. 1992. 'Text and Discourse in Anthropological Linguistics', In W. Bright (ed.), International Encyclopedia of Linguistics Oxford: Oxford University Press. pp 145-147.
2. Chomsky, N. 1957. Syntactic Structures. The Hague: Mouton Co.
3. Chomsky, N. 1988. Language and Problems of Knowledge. Cambridge, Mass: MIT.
4. Das Gupta, J. 1970. Language Conflict and National Development: Group Politics and National language Policy in India. New Delhi: Oxford University Press.
5. Dua, H.R. 1986. Language Use, Attitudes and Identity among Linguistic Minorities. Mysore: CIIL. Dutta Baruah, P.N. (ed.). 1999. Languages of the North-East. Mysore: CIIL.
6. Hymes, D. 1974. Foundations in Sociolinguistics: An Ethnographic Approach. Philadelphia: University of Pennsylvania Press.
7. Malinowski, B. 1936. 'The problem of meaning in primitive languages', In CK. Ogden & I.A. Richards (eds.), The meaning of meaning, [1923], Supplement I: 296-336. London: Kegan Paul.
8. Krishna, S. 1991. India's Living Languages. New Delhi: Allied Publishers.
9. Laura. M. A. 2012. Living Language: An Introduction to Linguistic Anthropology. Oxford: Wiley- Blackwell.



ANT- PG-C201

ECONOMIC AND POLITICAL ANTHROPOLOGY

Unit I: Introduction

Origin and scope of economic anthropology, approaches to the study of economic anthropology. Subsistence and Survival- Substantivist, Formalist and Culturalist, Tribal and Peasant economies, and Market Economies.

Unit II: Production, Distribution and Consumption

Provisioning, barter and trade, ceremonial exchange, reciprocity, redistribution, and market (Gift, Potlach, Kula Ring, Jajmani system, and Feast of Merit); Globalization and Consumption.

Unit III: Political Anthropology

Origin and Introduction of Political Anthropology; Types of Political System; Approaches to the study of Political Anthropology; Acquiring and Achieving Political Power and Status.

Unit IV: Concepts in Political Anthropology

Power, Authority, State/Stateless societies, Bands, Tribes, Resistance, Conflict, Citizenship, Political Process, Social Movements, Political Ethnography.

Suggested Readings

1. Carrier, J. G. 2005. A Handbook of Economic Anthropology. Cheltenham: Edward Elgar Publishing. Evans-Pritchard, E.E. 1940. The Nuer, a Description of the Modes of Livelihood and Political Institutions of a Nilotic people. Oxford: Oxford University Press.
2. Gregory, C.A. 1997. Savage Money. New York: Harvard Academic Publishers.
3. Hann, C and K. Hart. 2011. Economic Anthropology: History, Ethnography and Critique. London: Polity.
4. Lewellen, Ted. 2003. Political Anthropology: An Introduction. London: Praeger Publications.
5. Mauss, Marcel. 2001. The Gift: The Form and Reason for Exchange in Archaic Societies with an Introduction by Mary Douglas. London: Routledge.
6. Parry, J. and M. Bloch (eds.). 1989. Money and the Morality of Exchange. Cambridge: Cambridge University Press.
7. Scott, J.C. 1985. Weapons of the Weak: Everyday Forms of Peasant Resistance. New Haven and London: Yale University Press.
8. Sahlins, M. 1974. Stone-Age Economics. London: Tavistock Publications.
9. Wiser, W.H. 1936. The Hindu Jajmani System: A Socio-Economic System Interrelating Members of a Hindu Village Community in Services. Lucknow: Lucknow Publishing House

**ANT-PG-C202****ECOLOGICAL ANTHROPOLOGY****Unit I: Ecology and Culture**

Environmental determinism vs possibilism, ecological perspective, cultural ecology, population ecology, systems ecology, ethno ecology, political ecology.

Unit II: Environmental Degradation

Chipko movement, Narmada Bachao movement; dams, displacement, rehabilitation, emerging ecological issues.

Unit III: Human Ecology

Definition and objective, approaches to the study of human ecology, variety of human ecosystem, acclimatization, adaptation.

Unit IV: Ecology and Sustainable Development

Impact of urbanization on human populations; Ecological considerations in development planning; Environmental protection: Conservation and regeneration of natural resources.

Suggested Readings

1. Anthony Oliver-Smith.2010. Defying Displacement: Grassroots Resistance and the Critique of Development. Houston: University of Texas Press.
2. Bhasin V., Srivastava V.K. and M.K. Bhasin. 2001. Human Ecology in the New Millennium. New Delhi: Kamla Raj Enterprise.
3. Bose, K. 2006. Ecology, Culture, Nutrition, Health and Disease. New Delhi: Kamla Raj Enterprise.
4. Chapman, J.L. and M.J. Reiss. 1994. Ecology: Principles and Applications. Cambridge: Cambridge University Press.
5. Harrison, G.A. and H. Morphy. 1998. Human Adaptation. Oxford: Oxford University Press.
6. Malik, S. L. and D. K. Bhattacharya. 1986. Aspects of Human Ecology. New Delhi: Northern Book Centre.
7. Marten, G.G. 2001. Human Ecology. London: Stylus Publishing.
8. Mascie-Taylor, C.G.N. and B. Bogin. 1995. Human Variability and Plasticity. Cambridge: Cambridge University Press.
9. Moran, E.F.(ed.) 1990. The Ecosystem Approach in Anthropology. Michigan: University Press.
10. Patricia K. Townsend.2008. Environmental Anthropology: From Pigs to Policies. NY: Waveland Press.
11. Susan. A.Crate (ed) 2009. Anthropology And Climate Change: From Encounters To Actions. NY: Left Coast Press.



ANT-PG-C203

FUNDAMENTALS OF GENETICS

Unit I: Introduction

Meaning and scope, history and development, major branches of human genetics, relation to other sciences, cell structure, cell division -mitosis and meiosis.

Unit II: Genetics of Blood Groups

Nomenclature and classification of ABO blood groups, MN blood groups, Rh system, blood groups and diseases, hemoglobin variants.

Unit III: Genetic Variation

Human genetic variation; causes of genetic variation between and within human populations with special reference to the role of mutation, selection, genetic drift, isolation and gene flow.

Unit IV: Methods of Studying Heredity

Pedigree analysis; twin study; co-twin method; fosters child method; cytogenetic method; biochemical method; immunological method and recombinant technology.

Suggested Readings

1. Bodmer, W. F. and Cavalli-Sforza, L. L. 1976. Genetics, Evolution and Man. San Francisco: W. H. Freeman and Company.
2. Holt, S. B. 1978. The Genetics of Epidermal Ridges. Springfield: Charles C. Thomas and Company.
3. Pai, A. C. 1985. Foundations of Genetics: A Science for Society. New York: McGraw Hill Book Company.
4. Peter Snustad, D. and Michael J. Simmons, 2003. Principles of Genetics. New York: John Wiley & Sons, Inc.
5. Race, R. R. and Sanger, R. 1975. Blood Groups in Man. Oxford: Blackwell Scientific Publications. Robert H. Tamarin, 2002. Principles of Genetics. Delhi: Tata Mc. Graw-Hill Publishing Company Limited.
6. Shukla, B. R. K. and S.Rastogi, 2000. Physical Anthropology and Human Genetics. Delhi: Palaka Prakashan.
7. Singh, B.D. 2004. Fundamentals of Genetics. New Delhi: Kalyani Publishers.
8. Stern, C. 1973. Principles of Human Genetics. San Francisco: W. H. Freeman and Company.
9. Vogel, F and Motulsky, A.G. 1982. Human Genetics: Problems and Approaches. New York: Springer Publications.



ANT-PG-O204

HUMAN EVOLUTION**Unit I: Palaeontology**

Fossils-fossilization, preservation and uses, Classification and characteristics of primates, Primate evolution with reference to skull, jaw, limbs, dentition and brain; primate behavior; comparison of morphological and anatomical features of man and higher primates.

Unit II: Earliest Primates

Discovery, distribution and characteristics of Parapithecus, Propithecus, Pliopithecus, Dryopithecus, Proconsul, Ramapithecus and Gigantopithecus.

Unit III: Early Hominoid

Discovery, phylogenetic position and salient features of Australopithecus africanus, Australopithecus boisei (Zinjanthropus), Australopithecus robustus, Homo habilis, Homo erectus and Neanderthals.

Unit IV: Modern Humans

Discovery, characteristics and geographical distribution of Cro-Magnon, Grimaldi, Chancelade, Brun, Offnet and Predmost; Anatomical changes in human skeleton due to erect posture and bipedal gait- skull, vertebral column, thorax, pelvic girdle, femur, hand and foot.

Suggested Readings

1. Bishop, C. W. 1989. Evolution of Mankind. Delhi: Akashdeep Publishing House.
2. Cachel, S. 2006. Primate and Human Evolution. Cambridge: Cambridge University Press.
3. Hooton, E. A. 1965. Up from the Ape. New York: Macmillan.
4. Lewin, R. and R. Foley. 2003. Principles of Human Evolution. Oxford: Blackwell Publishing. Nystrom, P. and P. Ashmore. 2011. The Life of Primates. New Delhi: PHI Learning Pvt. Ltd.
5. Srivastava, R.P. 2011. Morphology of the Primates and Human Evolution. New Delhi: PHI Learning Pvt. Ltd.
6. Strickberger, M. W. 2000. Evolution, 3rd edition. New York: Jones & Barlett Publishers. Swindler, D.R. 2004. Introduction to the Primates. New Delhi: Overseas Press India Pvt. Ltd.
7. Tattersall, I. 1995. Fossil Trail: How We Know, What We Think, We Know About Human Evolution. New York: Oxford University Press.
8. Volpe, P.E. 1989. Understanding Evolution. New Delhi: Universal Book Stall.



ANT-PG-C301

FIELDWORK METHODS AND TECHNIQUES

Unit I: Introduction

Fieldwork traditions in anthropology: British, French and American traditions; Preparing for the field, selection of the locale, learning the language. challenges and ethics of fieldwork.

Unit II: Types of Research

Descriptive, exploratory, diagnostic, experimental, and evaluative. Hypotheses, formulation of research design; Primary and secondary sources; Sampling; Qualitative and quantitative research; Inductive and deductive.

Unit III: Methods and Techniques

Comparative method, observation – participant and non-participant, rapport establishment and key informants, interview - interview guide; focused group discussion; genealogy, schedule and questionnaire, participatory rapid appraisal, case study, audio-visual methods; field diary.

Unit IV: Statistical Analysis

Use of statistical measures: mean, median, mode, standard deviation, standard error, t-test, ANOVA, chi- square, tabulation, diagrammatic representation of data. Report writing.

Suggested Readings

1. Amit, V. 1999. Constructing the Field. London: Routledge.
2. Burgess, R. G. 1984. In the Field: An Introduction to Field Research. London: Routledge.
3. Ellen, R. F. 1984. Ethnographic Research: A Guide to General Conduct. London: Academic Press.
4. Foster, G. M. et al. 1979. Long Term Field Research in Social Anthropology. New York: Academic Press.
5. Frelich, M. 1970. Marginal Natives: Anthropologists at Work. New York: Harper & Sons.
6. Goode, W J and P K Hatt. 1981. Methods in Social Research. Singapore: McGraw-Hill Book Company.
- Herle, A. 1998. Cambridge and the Torres Strait. Cambridge: Cambridge University Press.
7. Russell, B. H. 1995. Research Methods in Anthropology: Qualitative and Quantitative Approaches. Walnut Creek, CA: AltaMira Press.
8. Sarana, G. 1975. The Methodology of Anthropology. New York: The University of Arizona Press.
9. Srinivas, M.N. 1983. The Observer and the Observed. Faculty Lecture 1, Faculty of Arts and Social Sciences, University of Singapore.
10. Srivatsava, V.K. 2005. Field Work and Methodology. Delhi: Oxford University Press.



ANT-PG-C302 THEORIES IN SOCIAL AND CULTURAL ANTHROPOLOGY

Unit I: Classical Theories

Evolutionism - Tylor, Frazer, Morgan, Spencer; Diffusionism- British School, German Austrian School and American School; Historical particularism – Boas; Neo-evolutionism- Childe, Steward and White; Durkheimian approach.

Unit II: Structuralism and Functionalism

Malinowski; Structural-functionalism - Radcliffe-Brown; Firth and Nadel; Structuralism - Levi-Strauss and Leach.

Unit III: Culture and Personality School

Mead, Benedict, Whiting, Kardiner and Cora Du-Bois; Cognitive Systems - Goodenough, Whitehouse; Symbolism - Turner, Douglas; Marxist approach.

Unit IV: Postmodernism

Schneider, Geertz, Clifford, Marcus and Tyler.

Suggested Readings

1. Barnard, A. 2000. History and Theory in Anthropology. Cambridge: University Press.
2. Clifford, J. and G. E. Marcus. 1986. Writing Culture: The Poetics and Politics of Ethnography. Berkeley: University of California Press.
3. Evans-Pritchard, E. 1981. History of Anthropological Thought. New York: Basic Books.
4. Geertz, C. 1974. Myth, Symbol and Culture. New York: W.W. Norton. Geertz, C. 1993. The Interpretation of Culture. New York: Fontana Press.
5. Harris, M. 1968. Rise of Anthropological Theory. London: Routledge and Kegan Paul.
6. Hastrup, K. and P. Hastrup. 1994. Social Experience and Anthropological Knowledge. London: Routledge.
7. Layton, Robert. 1998. An Introduction to Theory in Anthropology. Cambridge: Cambridge University Press.
8. Leach, E. R. 1961. Rethinking Anthropology. London: The Athlone Press.
9. Levi-Strauss, C. 1963. Structural Anthropology. New York: Basic Books.
10. Radcliffe-Brown, A. R. 1952. Structure and Function of Primitive Society. London: Routledge & Kegan.
11. Turner, V.W. 1969. The Ritual Process; Structure and Anti-Structure. London: Routledge



ANT-PG-C303

ANTHROPOLOGY OF INDIA

Unit I: Origin and Growth of Indian Anthropology

Approaches to the study of Indian society, culture and civilization - Indological, Historical, and Anthropological. Great tradition and Little tradition, Sacred complex, Universalization, Parochalization.

Unit II: Social Stratification and Hierarchy

Caste, Varna, Jati. Caste among non-Hindus (Muslims, Christians, Sikhs). Dominant caste, Caste Mobility: Sanskritization, Westernization. Caste identity and politics: Caste Organizations and Khap Panchayat.

Unit III: Tribes in India

Concept, definition, scheduling the tribe, socio-economic status of tribes, tribe-caste continuum, tribal movements.

Unit IV: Contributions to Indian Anthropology

L.K.A. Krishna Aiyer, D. N. Majumdar, M.N. Srinivas, Louis Dumont, Iravati Karve, N. K. Bose, L. P. Vidyarthi, and C.von. Furer-Haimendorf, Verrier Elwin.

Suggested Readings

1. Bayly, S. 2001. Caste, Society and Politics in India from the 18th Century to the Modern Age. Cambridge: University Press.
2. Beteille, A. 1991. Society and Politics in India. Delhi: Oxford University Press.
3. Cohn, B. 1971. India: The Social Anthropology of a Civilization. London: Prentice-Hall. Danda, A.K. 1995. Foundations of Anthropology in India. New Delhi: Inter-India.
4. Dumont, L. 1976. Homo Hierarchicus. Delhi: Vikas Publishing House.
5. Inden, R. 1980. Imagining India. Oxford: Basil Blackwell. Khilnani, S. 1997. The Idea of India. New Delhi: Penguin.
6. Mandelbaum, D. G. 1972. Society in India, 2 Vols. Bombay: Popular.
7. Saksena, H.S. et.al. (eds.). 2010. Anthropology in India. Delhi: Serials Publications.
8. Singer, M. 1955. The Cultural Pattern of Indian Civilization. The Far Eastern Quarterly, 15(1).
9. M.N. 1987. Dominant Caste and Other Essays. Delhi: Oxford University Press. Srinivas, Xaxa, V. 2008. State, Society and Tribes: Issues in Post-colonial India. Delhi: Pearson Longman.



ANT-PG-O304

ANTHROPOLOGY OF NORTH EAST INDIA

Unit I: Introduction

Origin and growth of Anthropology in Northeast India: Colonial and Post-colonial ethnographies, Contemporary anthropological research in Northeast India.

Unit II- People of North-East India

Language, culture, customary law, folk tradition, ethnicity, religion, social change, development.

Unit III: Issues and Problems

Relevant constitutional provisions; Politics of identity, migration, insurgency, movements, indigeneity, Inner-line permits, Look East Policy.

Unit IV: Anthropology of Sikkim

People, Culture, Religion, Identity and Development.

Suggested Readings

1. Balikci, Anna. 2008. *Lamas, Shamans and Ancestors: Village Religion in Sikkim*. Leiden: Brill.
2. Bhasin, Veena. 2002. 'Ethnic Relations among the People of Sikkim', *Journal of Social Sciences*, 6 (1): I-20.
3. Burling, R. 2007. 'Language, Ethnicity and Migration in North-Eastern India', *Journal of South Asian Studies*, 30(3): 391-404.
4. Elwin, Verrier. 1959. *The Art of Northeast Frontier of India*. Shillong.
5. Gowloog, Rip Roshina. 1995. *Lingthem Revisited: Social Changes in a Lepcha Village of North Sikkim*. New Delhi: Har-Anand Publications.
6. Fürer-Haimendorf, C. von. 1939. *The Naked Nagas*. London: Methuen & Co Ltd. Gurdon, P.R.T. 1914. *The Khasis*. London: Macmillan.
7. Hazarika, S. 2000. *Strangers of The Mist: Tales of War & Peace from India's Northeast*. Delhi: Penguin.
8. Longkumer, A. 2010. *Reform, Identity, and Narratives of Belonging: The Heraka Movement of Northeast India*. New York: Continuum.
9. Mills, J.P. 1922. *The Lhota Nagas*. London: Macmillan.
10. Ramirez, Philippe. 2014. *People of the Margins: Across Ethnic Boundaries in North-East India*. Guwahati: Spectrum Publications. Subba, T.B. 2012. *Northeast India: A Handbook of Anthropology*. Orient Black Swan Pvt. Ltd, Hyderabad.

**ANT-PG-C305****BIO-CULTURAL ANTHROPOLOGY****Unit I: Introduction**

Concept, definition, scope, significance of bio-cultural approach in Anthropology. Human Adaptability programme. Nutritional deficiency diseases (Kwashiorkor, Marasmus, Anemia, Iodine deficiency).

Unit II: Bio-cultural Aspects of Health and Disease

Population health and culture, co-evolution of people and disease, reproductive and child health, Bio-cultural aspects of growth and nutrition, genetic diseases—sickle cell haemoglobin, haemoglobin E, haemoglobin C, G6PD deficiency and thalassemia.

Unit III: Human Adaptability

Adaptation, homeostasis, human adaptation to heat, cold and high altitude, man's physiological responses to environmental stresses, body build and climatic adaptation.

Unit IV: Anthropological Demography

Biological and socio-ecological factors influencing fecundity, fertility, mortality, bio-cultural problems of aged people, factors influencing longevity; genetic, socio-cultural and psychological.

Suggested Reading:

1. Bose, K. (ed.) 2006. Ecology, Culture, Nutrition, Health and Disease. Delhi: Kamla-Raj Enterprises.
2. Crawford, M.H. (ed.). 2006. Anthropological Genetics. Cambridge: Cambridge University Press.
3. Fox, R. 1975. Bio-social Anthropology. London: Malaby Press
4. Goodman, A. H. and T. L. Leatherman (eds.). 1998. Building a New Biocultural Synthesis. Michigan: University of Michigan Press.
5. Harrison, G.A. 1990. Diet and Disease in Traditional and Developing Societies. Cambridge: Cambridge University Press.
6. Harrison, G.A. and H. Morphy. 1998. Human Adaptation. Oxford: Oxford University Press. Johnston, F.E. (ed.). 1987. Nutritional Anthropology. New York: Alan R. Liss, Inc.
7. Mahadevan, K. et al. 1999. Reproductive Health of Human Kind in Asia and Africa. Delhi: BR Publications.
8. Strickland, S.S. and P.S. Shetty. 1998. Human Biology and Social Inequality. Cambridge: Cambridge University Press.
9. Ulijaszek S.J. and S. Strickland. 1993. Nutritional Anthropology: Prospects and Perspectives. London: Smith Gordon Publishing.



ANT-PG-C306

HUMAN GROWTH AND DEVELOPMENT**Unit I: Introduction**

Definition and concept of growth and development, stages of growth and their characteristics- pre-natal, prenatal, infancy, childhood, adolescence, maturity and senescence.

Unit II: Methods of Studying Growth and Development

Longitudinal, Cross-sectional, mixed longitudinal, Growth curve-Distance growth curve and velocity growth curve, catch-up growth, epiphyseal union, dentition, secular trends, gerontology.

Unit III: Nutritional Requirements of Humans

Infancy to old age- Proteins, carbohydrates, fats, minerals and vitamins, factors affecting growth- hereditary, environment, hormone, nutrition, socio-economic.

Unit IV: Human Physique and Somatotype

Sheldon, Parnoll, Heath-Carter, methods for assessing growth and body composition, growth and adaptation to stresses of nutrition and diseases.

Suggested Readings

1. Bogin, B. 1999. Patterns of Human Growth. Cambridge: Cambridge University Press. Cameron, N.
2. 2002. Human growth and development. St. Louis: Academic Press.
3. Carter, J.E.L.1980. The Heath-Carter Somatotype Method. San Diego: SDSU Syllabus Service.
4. Dasgupta, P. and R. Hauspie. (ed.). 2001. Perspective in Human Growth, Development and Maturation. New Delhi: Springer.
5. Eveleth, P. B. and J. M. Tanner. 1990. Worldwide variation in Human Growth. Cambridge: Cambridge University Press.
6. Heath, B. H. and J. E. L. Carter. 1990. Somatotyping: Development and Applications. Cambridge: Cambridge University Press.
7. Himes, J. H. (ed.). 1991. Anthropometric Assessment of Nutritional Status. New York: Wiley-Liss.
8. Roche, A. F. 1992. Growth, Maturation and Body Composition. Cambridge: Cambridge University Press.
9. Shephard, R. J. 2005. Body Composition in Biological Anthropology. Cambridge: Cambridge University Press. 17
10. Thompson, J. L., G.E. Krovitz and A.J. Nelson. 2003. Patterns of Growth and Development in the Genus Homo. Cambridge: Cambridge University Press.



ANT-PG-C307

PRACTICAL IN PHYSICAL ANTHROPOLOGY –I

Unit I: Somatoscopy

Introduction: Skin colour, hair colour, hair form, hair texture, eye colour, eye fold, eye slit, forehead, nasal root, nasal bridge, nasal septum nasal tip, nasal wings, lips and chin.

Unit II: Osteology

Introduction, identification, drawing and description of bones of human skeleton-norma verticalis, norma frontalis, norma occipitalis, norma basalis. normalateralis, vertebrae, scapula, clavicle, humerus, radius, ulna, hip bone, femur, tibia and fibula.

Unit III: Anthropometry and Somatometry

Introduction and scope, measurement: stature, sitting height, body weight, height tragus, acromion height, height radiale, height stylium, height dactylium, height ilio-cristale, height ilio-spinale, height suprasternale, biacromial breadth, bicristal breadth, upper-arm length, forearm length, hand length, hand breadth, foot length, foot breadth, head length, head breadth, minimum frontal breadth, bizygomatic breadth, bigonial breadth, nasal height, nasal breadth, nasal depth, morphological facial height, morphological superior facial height, physiognomic facial height, physiognomic superior facial height, mouth breadth, height of lips, physiognomic ear length, physiognomic ear breadth.

Somatometric indices: Body mass index, ponderal index, relative sitting height (cormic) index, cephalic index, relative biacromial breadth index, relative bicristal breadth index, Morphological (total) facial index, morphological upper facial index, nasal index, jugo-frontal index, jugo-mandibular index, hand index.

Unit IV: Measurements of body composition

Skinfold measurement: biceps, triceps, sub-scapular, supra-iliac, supra-spinale, chest, thigh, abdomen and calf, bicep girth, calf girth, epicondylarhumerus breadth, epicondylar femur breadth, height, weight. Indices-body fat percentage, fat mass and fat free mass, somatotyping techniques and analyses.

Suggested Readings

1. Chaurasia, B. D. 1984. Human Osteology. New Delhi: CBS.
2. Das, B. M. and R. Deka. 1992. Physical Anthropology Practical. Allahabad: Kitab Mahal.
3. Dwight, T. 1978. The Identification of the Human Skeleton. Boston: Massachusetts Medical Society.
4. Montague, M. F. A. 1961. An Introduction to Physical Anthropology. Illinois:
5. Charles C. Thomas.18 Mukherji, D., D. P. Mukherjee and P. Bharati. 2009. Laboratory manual for Biological Anthropology. Kolkata: Asian Books Pvt. Ltd.
6. Sen, T. 1994. Anthropometry. Calcutta: The World Press.
7. Singh, I. P. and M. K. Bhasin. 2004. A Manual of Biological Anthropology. Delhi: Kamla Raj Enterprises.
8. Ulijaszek, S. J. 1995. Human Energetics in Biological Anthropology. Cambridge: Cambridge University Press.
9. Ulijaszek, S. J. and C. G. N. Mascie-Taylor. 1994. Anthropometry: The Individual and Population. Cambridge: Cambridge University.
10. Weiner, J. S. and J. A. Lourie. 1981. Practical in Human Biology. London Academic Press.

**ANT-PG-C 401****MEDICAL ANTHROPOLOGY****Unit I: Introduction**

Concepts of health, disease, illness, healing. Approaches: popular, folk, professional. Socio-cultural and environmental dimensions of health, occupational and life-style ailments.

Unit II: Ethno-Medicine

Ethno medical practices in India, traditional healers and their predicaments, ethno-psychiatry, Cross cultural aspects of normality and abnormality, culture-bound psychological disorders and healing, social stigma towards diseases and ailments.

Unit III: Medical Pluralism in India

Ayurveda, Siddha, Unani, Naturopathy, Homeopathy and Allopathic medical practices.

Unit IV: Application of Anthropological Knowledge

Social inequality and health care Delivery resources. Current health care programs for nutritional deficiencies; Health care promotion policies and programmes in Urban, Rural and Tribal areas

Suggested Readings

1. Bhat,H.K. et al,2013. Explorations in Indian Medical Anthropology. New Delhi : Concept Publishing House.
2. Copeman, J.2010. Veins of Devotion: Blood Donation and Religious experience in North India. NJ: Rutgers University Press.
3. Foster, G.M. 1978. Medical Anthropology. New York: John Wiley.
4. Freund, P.E.S and M. McGuire. 1995. Health, Illness and the Social Body. NJ: Prentice-Hall.
5. Good, B. J. 1993. Medicine, Rationality and Experience: An Anthropological Perspective. Cambridge: University Press.
6. Hans A. Baer, M. Singer and I. Susser. 2003. Medical Anthropology and the World System. 2nd edn. London: Preager.
7. Jolermon, Donald. 2009. Exploring Medical Anthropology. 3rdedn. London: Routledge Leslie, C. 1976. Asian Medical Systems. Berkeley: University of California Press.
8. Ohtsuka, R. and J. Ulijaszek. (eds.). 2007. Health Change in Asia-Pacific Region. Cambridge: Cambridge University Press.
9. Singh, B. and N. Mahanti. 1995. Tribal Health in India. New Delhi: Inter-India Publishers.
10. Worsley, P. 1982. 'Non-Western Medical Systems', Annual Review of Anthropology 11.



ANT-PG-C402

CONTEMPORARY ISSUES IN ANTHROPOLOGY

Unit I: Gender Issues

Anthropological approaches to Gender studies, Social and Biological theories of Gender, Gender socialization, masculinities/feminites, Queer anthropology (LGBTQ), feminism and Feminist movement. gender and media.

Unit II: Social Exclusion and Inclusion

Concepts of social exclusion and inclusion. marginalization and deprivation, reservation policy and weaker sections, Inclusive Growth and Development.

Unit III: Border and Borderland

Boundaries, Frontiers. Development of Anthropology of Borderlands. Socio-cultural dynamics of borders and borderlands.

Unit IV: Borderland Issues

State formation, Migration and displacement across borders, Borderland livelihood issues, strategies, cross-border border identities.

Suggested Readings

1. Butler, J (1990) *Gender Trouble: Feminism and the Subversion of Identity*. New York and London: Routledge.
2. Connell, R.W.2002. *Gender*. Cambridge: Polity Press.
3. Dube, L. 1997. *Comparative Perspectives in Gender in South and Southeast Asia*. New Delhi: Vistaar.
4. Duncan, M. 2016. *Borderland City in New India*. Amsterdam: Amsterdam University Press.
5. Lamont, Micheal and Virag Molnar, 2002; *The Study of Boundaries in the Social Sciences*, *Annual Review of Sociology*, 2002. 28:167–95
6. Mishra, Sanghamitra, 2011; *Becoming a Borderland: The Politics of Space and Identity and in Colonial Northeastern India*, Routledge, New Delhi
7. Moore, H.L. 1994. *A Passion for Difference: Essays in Anthropology and Gender*. Bloomington: Indiana Univ. Press.
8. Ortner, S.B. and H. Whitehead. 1956. *Sexual Meanings: The Cultural Context of Gender and Sexuality*.
a. Cambridge: University Press.
9. Pal, M., P. Pathak, P. Bharati, B. Ghosh, and A. Majumdar. 2012. *Gender Issues and Empowerment of Women*. New York: Nova Science Publishers.
10. Rachel Alsop, Annette Fitzsimmons and Kathleen Lennon(eds) 2002 . *Theorizing Gender*, Oxford: Polity Press

**ANT PG-C403 MATERIAL CULTURE AND VISUAL ANTHROPOLOGY****Unit I: Introduction**

Origin, scope and development of visual anthropology. Visual anthropology in ethnography. Photo ethnography.

Unit II: Visual Communication

Cinema (world cinema, observational cinema) Art and visual communication, Visual Aids in Ethnographic studies, Documentary films and Ethnographic films, New Media, Process of Production and representation.

Unit III: Material Culture

Material Culture Theory. Objects, Meanings and Property. Cultural Commodification.

Unit IV: Museum Studies

History and purpose of museums. Types of museums. Tangible and intangible heritage, ownership and intellectual property, repatriation issues.

Suggested Readings

1. Uberoi, P. (1998) "The Diaspora comes home: Disciplining desire in DDLJ", Contributions to Indian Sociology, Vol. 32, No. 2 November, pp. 305-336. [Online] Available at: <http://cis.sagepub.com/content/32/2/305.refs>
2. Weakland, J. (1975) "Feature Films as Cultural Documents", In Hockings, P. (ed) Principles of Visual Anthropology, Mouton, pp. 231-251.
3. Young, C. (2003) "Observational Cinema", in P. Hockings. (ed) Principles of Visual Anthropology. Berlin: Mouton de Gruyter.

Films

1. School Scapes, 2007. (Film) Directed by David MacDougall. Australia: Centre for Cross Cultural Research, Australian National University.
2. Nanook of the North, 1922. (Film) Directed by Robert Joseph Flaherty. USA: Athépicture.
3. Water, 2005. (Film) Directed by Deepa Mehta. Canada: Deepa Mehta Films.
4. War Photographer, 2001. (Film) Directed by Christian Frei. USA.
5. Banks, M. and Morphy, H. (1997) eds. Rethinking Visual Anthropology. Yale University Press.
6. Grimshaw, A. and Ravetz, A. (2009) Observational Cinema: Anthropology, Film and the
7. Exploration of Social Life. Bloomington: Indiana University Press.
8. Larkin, B. (1997) "Indian Films and Nigerian Lovers: Media and the Creation of Parallel
9. MacDougal, D. 1998. 'Visual Anthropology and the Ways of knowing'. In MacDougall Transcultural Cinema. Pp. 61-92. Princeton: Princeton University Press.



10. Uberoi, P. (1998) "The Diaspora comes home: Disciplining desire in DDLJ", *Contributions to Indian Sociology*, Vol. 32, No. 2 November, pp. 305-336. [Online] Available at: <http://cis.sagepub.com/content/32/2/305.refs>

Suggested Readings for Material Culture and Museum Studies

1. Appadurai, A. (ed) (1986) *The Social Life of Things: Commodities in Cultural Perspective*. Cambridge: Cambridge University Press.
2. Geismer, H. (2013) *Treasured Possessions: Indigenous Interventions into Cultural and Intellectual Property*. Durham: Duke University Press.
3. Miller, D. (ed.) (1998) *Material Cultures: Why Some Things Matter*. UCL Press: London.
4. Tapsell, P. (2002) "Partnership in Museums: A Tribal Maori Response to Repatriation." In C. Forder, J. Hubert and P. Turnball, eds. *In The Dead and their possessions: Repatriation in principle, policy and practice*. New York: Routledge, pp. 284-292.
5. Tilley, C., W. Keane, S. Küchler, M. Rowlands, and P. Spyer, eds. 2006. *Handbook of material culture*. London: SAGE.

**ANT-PG-C405****HUMAN GENETICS****Unit I: Introduction**

Meaning and scope, concept of gene, DNA and RNA structure, types and their functions, genetic code, linkage and crossing over.

Unit II: Patterns of Inheritance

Mendelian inheritance, patterns of inheritance-autosomal (dominant, recessive and co-dominance), sex-linked inheritance, sex-influenced, sex-limited, lethal genes, modifying genes, multiple alleles.

Unit III: Human Cytogenetic

Identification of human chromosome, Karyotyping and nomenclature, techniques of Studying human Chromosomes, Numerical and Structural Chromosomal Abnormalities, sex determination, Lyon's hypothesis.

Unit IV: Population Genetics

Definition, aim and scope, Hardy-Weinberg Law, genetic polymorphism, mating patterns-random mating, assortative mating, consanguinity and inbreeding, miscegenation, genetic load, selection and genetic polymorphism.

Suggested Readings

1. Crawford, M.H. (ed.). 2006. Anthropological Genetics. Cambridge: Cambridge University Press. Cummings, M. R. 2009. Human Heredity: Principles and Issues, 8th edition. Belmont, CA: Brooks. Gisli, P. 2007. Anthropology and the New Genetics. Cambridge: Cambridge University Press.
2. Hartwell, L.H. 2011. Genetics: From Genes to Genomes, 4th Edition. New York: McGraw-Hill. Hedrick, P. W. 2011. Genetics of Populations, 4th edition. Massachusetts: Jones and Bartlett Publishers. Knight, J. C. 2009. Human Genetic Diversity. Oxford: Oxford University Press.
3. Lewis, R. 2003. Human Genetics: Concepts and Applications, 9th edition. New York: McGraw-Hill. Maynard, S. J. 1999. Evolutionary Genetics. New York: Oxford University Press.
4. Pasternak, J. J. 2005. An Introduction to Human Molecular Biology. New Jersey: John Wiley & Sons. Speicher, M. R., S. E. Antonarakis and A.G. Motulsky. 2010. Vogel and Motulsky's Human Genetics, 4th edition. Berlin: Springer-Verlag.



ANT-PG-C406

APPLIED PHYSICAL ANTHROPOLOGY

Unit I: Introduction

Nature, aim and scope of Applied Anthropology, brief history and development of Applied Anthropology, sport anthropology, nutritional anthropology, dental anthropology, and application of Anthropometry: making clothing, footwear, automobile, defence equipment, selecting defence personnel.

Unit II: Application of Dermatoglyphics

Meaning, history and identification, classification of finger, palm and sole print, inheritance patterns, personal identification, disease, paternal dispute and population variation.

Unit III: Application of Forensic Anthropology

Definition, aim and scopes, establishment of identity through skeletal remains, reconstruction from skeletal remains, identification through hair, body fluids, semen, saliva.

Unit IV: Application of Genetics

Genetic imprints in human disease, genetic counselling, genetic screening, genetic engineering, DNA profiling, gene mapping and genomic study.

Suggested Readings:

1. Bartsocas, C. S. (Ed.). Progress in Dermatoglyphics. New York: Alan R. Liss, Inc.
2. Croney, J. 1981. Anthropometry for Designers. New York: Von Nostrand Reinhold Company.
3. El-Najjer, M. Y. and McWilliams, R. 1978. Forensic Anthropology. Springfield: Charles C. Thomas Publishers.
4. Lewis, Rick. 2001. Human Genetics: Concepts and Applications. London: McGraw Hill.
5. Loesch, D. Z. 1983. Quantitative Dermatoglyphics: Classification, Genetics and Pathology. Oxford: Oxford University Press.
6. Sodhi, H. S. 1991. Sports Anthropometry. Mohali: Anova Publications.
7. Stevenson, A. C. and Davidson, B. C. 1976. Genetic Counselling. London: Heinmann.
8. Stewart, T. D. 1979. Essentials of Forensic Anthropology. Springfield: Charles C. Thomas and Company.
9. Surinder Nath. 1984. Finger Print Identification. Delhi: Department of Anthropology, Delhi University.
10. Wortelecki, W. and Plato, C. C. (Eds.). 1979. Dermatoglyphics – Fifty Years Later. New York: Alan R. Liss, Inc.

**ANT-PG-C407****PRACTICAL IN PHYSICAL ANTHROPOLOGY-II****Unit I: Osteometry**

Introduction, direct measurements on scapula, clavicle, humerus, ulna, radius, femur and tibia, diaptograph tracing and measurements on scapula, clavicle, humerus, ulna, radius, femur and tibia.

Unit II: Craniometry

Introduction, linear measurements: maximum cranial length, glabella-inion length, maximum cranial breadth, nasion-inion length, bi-mastoid diameter, bi-auricular breadth, maximum frontal breadth, minimum frontal breadth, bizygomatic breadth, nasion-prosthion length, nasal height, nasal breadth, orbital height, orbital breadth, palatal length, palatal breadth, maxilla-alveolar length, maxillo-alveolar breadth, length of foramen magnum, breadth of foramen magnum, frontal chord, parietal chord and occipital, bi-condylar breadth of mandible, bigonial breadth, height of ramus and minimum breadth of ramus.

Angular measurements on skull: Angles with F.H. plane as base: facial profile angle, Nasal profile angle, Alveolar profile angle and Metopic angle, angles with Nasion-Inion plane as base: frontal angle of Schwalbe, Bregma angle of Schwalbe and Lambda angle of Schwalbe. Indices: cranial index, nasal index, orbital index, palatal index, maxilla-alveolar index, mandibular index.

Unit III: Genetic Markers

Introduction, classification of ABO and Rh blood systems, total hemoglobin estimation, Dermatoglyphic: finger and palm print patterns, palmer topography, main line formula and tracing and indices (Furuhata's index, Dankmeijer's index and pattern intensity index).

Unit IV: Physiological Measurement

Introduction, technique and measurement of pulse rate, body temperature, blood glucose test and blood pressure, colour blindness, PTC test sensitivity.

Suggested Readings

1. Cummings, R. M. 2009. Human Genetics. New Delhi: Cengage Learning India Pvt. Ltd.
2. Cummins, H. H. and Midlo, C. 1961. Finger Prints, Palms and Soles. New York: Dover Publication Inc.
3. Damon, A. 1975. Physiological Anthropology. New York: Oxford University Press.
4. Das, B. M. and R. Deka. 2001. Physical Anthropology: Practical. Allahabad: Kitab Mahal.
5. Shukla, B.R.K. and S. Rastogi 2003. Laboratory Manual of Physical Anthropology (Anthropometry and Osteology). Lucknow: Bharat Book Centre.
6. Singh, I. P. and Bhasin, M. K. 1989. Anthropometry. New Delhi: Kamla Raj Enterprises.
7. Singh, I. P. and Bhasin, M.K. 2004. A Manual of Biological Anthropology. New Delhi: Kamla Raj Enterprises.
8. Walt, R. and Katharine, G. F. 1999. Molecular Biology Techniques: An Intensive Laboratory Course. New York: Academic Press.
9. Weiner, J. S. and Laurie, J. A. 1969. Practical in Human Biology. Oxford: Blackwell Scientific Publications.
10. Wolf, J. B. 2001. Applied Molecular Biology: Beginning Laboratory Manual. Baltimore: University of Maryland.



DEPARTMENT OF ANTHROPOLOGY
M.PHIL/PHD COURSE WORK SYLLABUS

Course Number	Course Title	Credits
ANT-RS-C 101	Research Methodology in Anthropology	4
ANT-RS-C102	(A) Advanced Theories and Methods in Social and Cultural Anthropology or (B) Advanced Theories and Methods in Physical Anthropology	4
ANT-RS-C103	Preparation of Research Proposal and Seminar Presentation	4
	Dissertation	12



ANT-RS-C 101 Research Methodology in Anthropology (4 Credits)

Unit I: Research Process

Epistemology; Empiricism and field work tradition in Anthropology; Ethnographic method and process; Quantitative, Qualitative, Applied and Action Research Processes.

Unit II: Types of Research Methods

Field work in different ecological Settings, Diachronic and Synchronic, Reflexivity, Auto-ethnography. Oral tradition and life histories; Multi-sited ethnographies; Restudies and Reinterpretation.

Unit III: Statistical Analysis

Measures of Central Tendency: Mean, Median, Mode and Standard Deviation; Dispersion, Sample Size and Representativeness, Concept of Probability, Bivariate Statistics: Correlation, Chi-square, t-test, F-test, Analysis of variance, Regression, Factor Analysis.

Unit IV: Report Writing

Coding and Categorisation, Content Analysis, Application of SPSS. Preparation of Report Writing and Publishing.

Suggested readings:

1. Beteille, A. and T. N. Madan. 1975. Encounter and Experience. New Delhi: Vikas Publishing House.
2. James Clifford and George E. Marcus (Eds), 1986 Writing Culture: The Poetics and Politics of Ethnography. Berkeley: University of California Press
3. Frelich, M. 1970. Marginal Natives: Anthropologists at Work. New York: Harper & Sons. Herle, A. 1998.
4. Cambridge and the Torres Strait. Cambridge: Cambridge University Press.
5. Kothari, C.R. 2004. Research Methodology: Methods and Techniques. New Delhi: New Age International Pvt. Publishers.
6. Pelto, P. J. And G. H. Pelto. 2006. Research Methods in Anthropology: Qualitative and Quantitative Approaches. Walnut Creek: Alta Mira Press.
7. Russell, B. H. 1995. Research Methods in Anthropology: Qualitative and Quantitative Approaches. Walnut Creek, CA: Alta Mira Press.
8. Sarana, G. 1975. The Methodology of Anthropology. New York: The University of Arizona Press.
9. Srinivas, M.N. 1983. The Observer and the Observed. Faculty Lecture 1, Faculty of Arts and Social Sciences, University of Singapore
10. Srivatsava, V.K. 2005. Field Work and Methodology. Delhi: Oxford University Press.
11. Stocking, G.W. 1983. Observers Observed: Essays on Ethnographic Fieldwork. Madison: The University of Wisconsin Press.



ANT-RS-C102

(A) Advanced Theories and Methods in Social and Cultural Anthropology (4 Credits)

Unit I: Theories

Nature of social sciences, empiricism, rationalism and positivism, Post Structuralism, Cognitive anthropology, Critical theory.

Unit II: Disadvantaged Groups in India

Issues concerning the subaltern groups: Dalits, Tribal, Religious and Linguistic minorities, Refugees; Disabled, Third Gender.

Unit III: Emerging Issues

Material culture, Visual and Cyber anthropology, Ethnicity and Nationalism, Migration, Diaspora and borderland issues.

Unit IV: Human Rights and Empowerment

Right to Information, Right to Education, Right to food security, Social Security, Human Development Index.

Suggested Readings

1. Appadurai, A. 1988. *The Social Life of Things: Commodities in Cultural Perspective*. London: Hurst & Co.
2. Banks, M. 1996. *Ethnicity: Anthropological Constructions*. London: Routledge.
3. Carsten, J. 2000. *Cultures of Relatedness - New Approaches to the Study of Kinship*. Cambridge: Cambridge University Press.
4. Clarke, M. 2009. *Islam and New Kinship: Reproductive Technology, Anthropology and the Shari'ah in Lebanon*. Oxford: Berghahn.
5. D'Andrade, R. G. 1995. *The Development of Cognitive Anthropology*. Cambridge: Cambridge University Press.
6. Eriksen, T.H. 2010. *Ethnicity and Nationalism: Anthropological Perspectives*. London: Pluto.
7. Gellner, E. 2006. *Nations and Nationalism*. Oxford: Blackwell Publishing.
8. Karlsson, B.G. 2011. *Unruly Hills: a Political Ecology of India's Northeast*. Oxford: Berghahn books.
9. Pink, S. (2001) 2007. *Doing Visual Ethnography: Images, Media and Representation in Research*. London: Sage Publications.
10. Sen, A. 2001. *Development as Freedom*. Oxford: Oxford University Press.
11. Van Schendel, W. 2005. *The Bengal Borderland: Beyond State and Nation in South Asia*. London: Anthem Press



(B) Advanced Theories and Methods in Physical Anthropology (4 Credits)

Unit I: Biological anthropological research

Human evolution and variation, historical development of biological anthropological research. New physical anthropology as synthesised by Washburn. Impact of Genetic and medical sciences on biological Anthropology.

Unit II: Anthropological Genetics

Foundations of anthropological genetics, Human genome project, methods for genetic study: pedigree analysis, chromosomal analysis, biochemical analysis, molecular genetic markers.

Unit III: Health and Diseases

Distribution of genetic diseases in human populations; effects of biological and environment factors on growth and development, evolutionary perspective on obesity and co-morbidities, maternal and child health.

Unit IV: Human Adaptability Programme

Bio-cultural approach in the study of human growth and development, nutritional anthropology, reproductive health, Anthropological demography; Dental Anthropology.

Suggested Readings:

1. Bhasin, V, and M.M. Bhasin. 2007. Anthropology Today in Trends, Scopes and Applications. New Delhi: Kamla Raj Enterprises.
2. Brewis, A. A. 2011. Obesity: Cultural and Biocultural Perspectives. New Jersey: Rutgers University Press.
3. Crawford, M.H. (Ed). 2006. Anthropological Genetics. Cambridge: Cambridge University Press. Dasgupta, P. and R. Hauspie. (ed.). 2001. Perspective in Human Growth, Development and Maturation. New Delhi: Springer
4. Denvor, E.J. 2005. Molecular Application in Biological Anthropology (Cambridge Studies in Biological and Evolutionary Anthropology). Cambridge: Cambridge University Press.
5. Gisli, P. 2007. Anthropology and New Genetics. Cambridge: Cambridge University Press. Hartwell, L.H. 2011. Genetics: From Genes to Genomes, 4th Edition. New York: McGraw-Hill. Hillson, S. 2002. Dental Anthropology. Cambridge: Cambridge University Press.
6. Pasternak, J. J. 2005. An Introduction to Human Molecular Biology. New Jersey: John Wiley & Sons.
7. Shephard, R. J. 2005. Body Composition in Biological Anthropology. Cambridge: Cambridge University Press.



ANT-RS-C103 Preparation of Research Proposal and Seminar Presentation (4 Credits)

Unit I: Sources and Citation of Literature

Gazetteers, Government Reports, Journals, Books, Magazines, Newspapers, Diaries, Unpublished Theses, Online sources, films.

Unit II: Review of Literature.

Unit II: Writing of Research Proposal.

Unit IV: Presentation of Research Proposal.



DEPARTMENT OF GEOGRAPHY
MA/MSC SYLLABUS (2017-18)

Semester	Paper Code	Paper	Credit	Marks	
I	GEO-PG-C-101	Geomorphology	4	100	
	GEO-PG-C-102	Climatology and Biogeography	4	100	
	GEO-PG-C-103	Economic Geography: Concepts, Principles and Techniques	4	100	
	GEO-PG-C-104	Quantitative Methods and Computer Applications in Geography	4	100	
II	GEO-PG-C-201	Systematic and Regional Geography of India with special reference to NE India	4	100	
	GEO-PG-C-202	Remote Sensing and Geographic Information System (Practical)	4	100	
	GEO-PG-C-203	Population and Settlement Geography	4	100	
	GEO-PG-O-204	Environment and Development	4	100	
III	GEO-PG-C-301	History of Ideas in Geography	4	100	
	GEO-PG-C-302	Regional Development and Planning	4	100	
	GEO-PG-O-303	Regional Geography of Nepal and Eastern Himalayas with special reference to Sikkim	4	100	
	GEO-PG-O-304	Rural Development – Planning and Policy with special reference to North-East India	4	100	
IV	Stream A (Resource and Development)	GEO-PG-E-401	Natural Hazards and Disaster Management	4	100
		GEO-PG-E-402	Geography of Tourism	4	100
		GEO-PG-E-403	Agricultural Geography with special reference to North-East India	4	100
		GEO-PG-E-404	Geography of Natural Resources	4	100
	Stream B (Geography of Development)	GEO-PG-E-405	Urban Geography	4	100
		GEO-PG-E-406	Social and Cultural Geography with special reference to India and Northeast India	4	100
		GEO-PG-E-407	Geography of Social Well-being	4	100
		GEO-PG-E-408	Political Geography with special reference to Eastern Himalaya and Northeast India	4	100
		GEO-PG-E-409	Geography of Borderland with special reference to North-East India	4	100
		GEO-PG-E-410	Gender and Space	4	100
		GEO-PG-C-411	Fieldwork and Dissertation	4	100

Note: The students in IV semester will opt for either one of the two streams.. Each of the papers will be of 4 credits. The paper 'Fieldwork and Dissertation' is compulsory in each of the streams.

Operational Notes:

1. Sessional tests carry 25 marks in all papers and such tests are aimed at continuous evaluation of a student. A teacher teaching a concerned paper may conduct three tests at regular intervals and a student may be awarded marks by taking into account her/his two best performing tests.
2. All theory papers have assignment components of 25 marks consisting of the following:
 - a. Term paper/Book Reviews: 20 marks;
 - b. Presentation of the assignment: 5 marks
3. All sessionals, practicals and other assignments are suitably scheduled and distributed throughout the semester to enable the students a continuous learning environment and all sessional assignments are completed well ahead of the end-semester examination. The assignment schedules are announced right in the beginning of the semester and deadlines are adhered to by the students, so that the objective of a continuous learning environment is not defeated by carry-over of assignment to the end of the semester.



SEMESTER-I

GEO-PG-C-101:

Geomorphology

Unit I: Fundamentals

Development of Geomorphologic Thought: classical and modern; Catastrophism Vs Uniformitarianism and Neo-catastrophism.

Fundamental Concepts in Geomorphology

Recent Trends: process studies, structural, quantitative approach and models of dynamic equilibrium

Unit II: Crustal Movements

Isostasy and Crustal Equilibrium in Major Relief Features of the Earth

Continental Drift, Sea Floor Spreading, Palaeo-magnetism

Plate Tectonics: types of plates, boundaries, movement, Tsunami, Earthquakes, Neo-tectonic process and Expanding Earth

Unit III: Gradation Processes and Landforms

Concept of Gradation: Degradation and Aggradation

Weathering and Mass Movements: types and processes, Models of slope evolution,

Fluvial, Glacial, and Aeolian Processes and Landforms and topographic evolution

Hydro-geomorphic function of river, Marine geomorphology and Applied Geomorphology (Urban, Mineral and Environment)

Unit IV: Morphometric Techniques and Geological Maps

Drainage analysis: stream order, frequency, density and bifurcation ratio,

Relief and terrain analysis, Determination of average slopes (Wentworth, Smith, Raiz and Henry)

Interpretation of Geological maps: construction of geological section (folded and faulted, and unconformities).

(Total 3 hours for theory + 2 hours for consultation for Exercises and Assignments =5 contact hours/week)

Readings:

1. Allison, R.J. (2002). *Applied Geomorphology: Theory and Practice*. New York: Wiley and Son Co.
2. Avijit, G. (2011). *Tropical Geomorphology*. New Delhi: Cambridge University Press.
3. Chorley, R.J., et al. (1984). *Geomorphology*. New York: John wiley and Sons.
4. Colin, E. T (1988). *An Introduction to Theoretical Geomorphology*. New York: Boston Press.
5. Garrison, T. (2013). *Oceanography: An Invitation to Marine Science*, 8E. Belmont: Brooks/Cole Cengage Learning



6. Hugget, R.J. (2011). *Fundamentals of Geomorphology*. London: Routledge.
7. Kale, V.S and Gupta A. (2010). *Introduction to Geomorphology*. New Delhi: Cambridge University Press.
8. Strahler, A. (2006). *Introduction to Modern Physical Geography*. New York: John Wiley & Sons.
9. Thornbury, W. D. (2004). *Principles of Geomorphology*. New Delhi: CBS.
10. Wooldridge, W. and Morgan (1960). *An outline of Geomorphology*. London: Longman Green & Co.

**GEO-PG-C-102****Climatology and Biogeography****Unit I: Fundamentals of Climatology**

Development of climatology, its scope and its contemporary relevance Structure and Composition of the atmosphere Elements of Climate: Insolation, Temperature, Moisture, Pressure Systems; Wind systems and General Circulation of the atmosphere Air masses and Atmospheric Disturbances, tropical and temperate cyclones; their origin and occlusion.

Unit II: Classification and Dynamics of Climate

Principles of Climatic classification; Classification of world climates by Koppen and Thornthwaite; Major climatic regions of the world Climates of India, Monsoons and Dynamics of Monsoon, Consequences Monsoon failure in India, Regional climate with special reference to Himalayas Climate change: Concepts, Evidences and theories of climate change, Global Warming Vs Global Cooling and its impact on society; IPCC and global climate conventions and protocols.

Unit III: Fundamentals of Biogeography

Scope and Development of Biogeography, Environment, Habitat and Plant-animal association, biome types Element of plant geography, distribution of forests and major communities Zoogeography and Bio-diversity, its significance with special reference to India and bio-diversity resources of the North-East India Conservation of Biotic Resources.

Unit IV: Methods and Techniques

Isopleths and line graphs, Venn diagram, Rainfall dispersion diagrams, Climograph & Hythergraph Calculation of climatic indices: rainfall-runoff relationship, and concept of hydrographs. Interpretation of weather maps, Synoptic climatology and weather forecasting methods.

(Total 3 hours for theory + 2 hours for consultation for Exercises and Assignments =5 contact hours/week)

Readings:

1. Ahrens, C. Donald. (2016). *Meteorology Today: An Introduction to Weather, Climate and the Environment*, (11th Edition). Boston : Thomson Brook/Cole
2. Ahrens, C. Donald. (2012) *Essentials of Meteorology: An Invitation to the Atmosphere*, (6th edition). Belmont: Thomson Brook/Cole
3. Bonan, Gordon B. (2008). *Ecological climatology: Concepts and Applications*.(2nd Edition) Cambridge: University Press
4. Chritchfield, H.J. (1993) *General Climatology*. New Delhi: Prentice Hall of India
5. Cox, C. B, P.D. Moore and R.J. Ladle. (2010). *Biogeography: An Ecological and Evolutionary Approach*, (9th edition). Oxford: Wiley Blackwell
6. D.S Lal. (2006) *Climatology*. Allahabad: Chaitan Publication
7. Hugget, Richard John (2004) *Fundamentals of Biogeography*.(2nd Edition). London: Routledge
8. Robinson P.J. and Petty A. (1997). *Applied Climatology-Principles and Practices*, (Eds.). London: Routledge
9. Peake, S. and Joe Smith. (2009) *Climate Change-From Science to Sustainability*. New York: Oxford University Press
10. Rohli, Robert V. and Anthony J. Vega (2011). *Climatology*. Burlington: Jones & Bartlett Learning.



GEO-PG-C-103 Economic Geography: Concepts, Principles and Techniques

Unit I: Fundamentals

Definition, Scope and development of economic geography

Economic activities and sectors (primary, secondary, tertiary and quaternary)

Concept of economic development, indicators of development, sustainable development, Human Development

Disparities in world economic development, Development theories: Divergence Convergence Model (Myrdal-Hirschman), Dependency Theory (Frank-Amin)

Unit II: Location Theories

Industrial Location theories: Transport cost, Weberian Location analysis, agglomerations and Post-Fordist localisation

Agricultural location model (Von Thunen) and Diffusion Theory (Haggerstrand)

Spatial organization theories: Christaller's Central place theory and Losch's General theory

Unit III: Resources and Economic Regions

Concept and taxonomy of resources, resource depletion, conservation and sustainability of resources

World agricultural systems, agricultural regions and problems of food-security, Industrial complexes, Industrial regions of the world

World Trade in major commodities and services, GATT, WTO, EU and Emerging markets

Unit IV: Models, Techniques, and Interpretation

Sectoral analysis, Isodapanes and Weight Triangle, Gravity Model, Agricultural Efficiency, Intensity, Crop combination, cropping pattern, Transport Flows and Networks.

Indices of Development

(Total 3 hours for theory + 2 hours for consultation for Exercises and Assignments =5 contact hours/week)

Readings:

1. Basu, K. and Maertens, A. (2011). *The Concise Oxford Companion to Economics in India*, Oxford University Press. New Delhi.
2. Barnes, T.J. (2009). *Economic Geography*, Elsevier Ltd., pp. 315-326.
3. Coe, N.M., Kelly, P.F. & Yeung, H.W.C. (2012). *Economic Geography: A Contemporary Edition*. Boston: Blackwell Publishing
4. Hartshorne, T.A. and Alexander J.W. (1994). *Economic Geography*, New Delhi: Prentice Hall
5. Knox, P, J. Agnew J. & L. McCarthy. (2015). *The Geography of the World Economy* (6th Edition), London: Routledge.



6. Knowles, R. and Wareing, J. (2012). *Economic and Social Geography*. New Delhi: Rupa Publications India Pvt. Limited.
7. Peet, Richard and Hartwick, Elaine (2010). *Theories of Development: Contentions, Argument and Alternatives* (Second Edition). Jaipur: Rawat Publications.
8. Raza, M. & Aggarwal, Y. (1999). *Transport Geography of India: Commodity Flows and the Regional Structure of the Indian Economy*, New Delhi: Concept Publishing Company.
9. Sarkar, A. (2013), *Quantitative Geography*. New Delhi: Orient BlackSwan
10. Webber, M. (2005). International Political Economy (Chapter 30) in *A Companion to Economic Geography* (ed.) by Sheppard & Barnes, Blackwell Publishing, pp. 499-518.

**GEO-PG-C-104 Quantitative Methods and Computer Applications in Geography****Unit I: Geographical Data: Concept and Applications**

Univariate Method: Measures of central tendency, Measures of absolute and relative dispersion,

Techniques of Bivariate Analysis: The Scatter Plot, Correlation Analysis, Regression Analysis, Analysis of Variance (ANOVA)

Calculation of Growth rates: simple, compound and exponential

Unit II: Indices and their application

Sopher's Index, concentration index, location quotient, Lorenz Curve and Gini co-efficient

Unit III Theory of Probability

Introduction, Random Experiment, Outcome, Event; Terminology used in Probability; Theorems of probability; Theoretical Distribution: Binomial, Poisson, Normal

Unit IV: Sampling theory

Meaning and object of sampling, Types of sampling, Sampling Distribution, Standard Error

Testing of Hypothesis: Parametric tests- 'z', 't' and 'F' tests

Non-parametric test: Chi-Square

(Total 3 hours for theory + 2 hours for computer Applications =5 contact hours/week)

Readings:

1. Clifford, Nicholas. *et al* (2016). *Key Methods in Geography*. Los Angeles: Sage Publications.
2. Ebdon, David (1985). *Statistics in Geography: A Practical Approach*. Malden, MA: Blackwell Publishers.
3. Gupta, Goon and M.K. Gupta (1991). *Fundamental of Statistics*. Delhi: McGraw Hills Book Company.
4. Hammond, R. and Patrick McCullagh (1974). *Quantitative Techniques in Geography: An Introduction*. Oxford: Clarendon Press.
5. Matthews, John A. (2013). *Quantitative and Statistical Approaches to Geography: A Practical Manual*. E-book. Elsevier.
6. McCarroll, D. (2016). *Simple Statistical Tests for Geography*. London: CRC Press
7. Mehmood, Aslam (1978). *Quantitative Methods in Geography*. New Delhi: Rajesh Publications.
8. Pal, Saroj (1998). *Statistics for Geoscientists: Techniques and Applications*. New Delhi: Concept Publishing Company.
9. Rogerson, Peter (2014). *Statistical Methods for Geography*. London: Sage Publications.
10. Sarkar, Ashis (2013). *Quantitative Geography: Techniques and Presentations*. Hyderabad: Orient BlackSwan.

**SEMESTER II****GEO-PG-C-201 Systematic and Regional Geography of India with Special Reference to NE India****Unit I: Physical Bases of Geography of India**

Relief, Geology and Physiographic Divisions Climate and Climatic Divisions Drainage System and Water Resources
Natural Vegetation and Soils Regions of India

Unit II: Historical, Cultural and Economic Geography of India

Evolution of regions and boundaries since the British period Languages and Religions in India Population: Growth, Density and Distribution; population problems Indian Agriculture: Its regional distribution and problems Industries, industrial locations and industrial region Transportation Systems and Routes

Unit III: Regional Divisions of India and Regional Geographies

Basis of Regionalisation of India: O.H.K Spate, R.L. Singh, and AsokMitra Macro Region: Extra-Peninsular India (The Himalayas) with emphasis on Eastern Himalaya Selected Meso-regions: UP Himalaya, Upper Ganga Plain, Chotanagpur Plateau, Meghalaya Plateau Micro-regions: Kashmir Valley, Sikkim Himalaya, Kaveri Delta, and Konkon Coastal Plains

Unit IV: North-Eastern Region

North-East India as a region Physical divisions and characteristics (Physiography, drainage, climate and bio-diversity); Population growth and distribution, Population issues in North-East India Economic activities: agriculture (types and patterns) and Natural resources and manufacturing industries; Development issues and problems;

Readings:

1. Deshpande, C.D. (1992). *India – A Regional Interpretation*. New Delhi, ICSSR and Northern Book Centre
2. Deshpande, C.D. (1971). *Regional Geography of Maharashtra*. New Delhi: National Book Trust of India
3. R.L. Singh (1989) *India: A Regional Geography*. Delhi: UBSPD,
4. Sen Gupta, P. and Sdysuk, Galina. (1968). *Economic Regionalisation of India – Problems Approaches*, Monograph No.8, New Delhi: Census Commissioner, Govt. of India
5. Spate, O.H.K (1967) *India and Pakistan*, (3rd edition) London: Methuen
6. Taher, M. and Ahmad, A. (1998) *Geography North East India*. New Delhi: El Dorado Publications
7. Bhattacharya N.N. (2009). *North East India: A Systematic Geography*. Delhi: Rajesh Publications
8. Chatterjee. S.P (1982) *An Introductory Regional Geography: India*. Delhi: Orient Longman Ltd.
9. Govt. of India (2017) *India*. New Delhi: Publications Division, Ministry of Information and Broadcasting.
10. Govt. of India (Yearly) *Economic Survey*, Ministry of Finance. New Delhi: Oxford University Press India

**GEO-PG-C-202 Remote Sensing and Geographic Information System (Practical)****Unit-I: Basics of Remote Sensing**

Introduction: definition and history and Physics of Remote Sensing-

Electro- Magnetic Radiation, Radiation laws, Spectral Signatures, and spectral response of objects and Elements of interpretations

Platforms, satellite system- Velocity, Geostationary and Sun synchronous satellites;

Sensors-Concept of IFOV, Resolution (MSS, microwave, thermal and hyperspectral)

Unit II Analysis of Remote Sensing Data

Basics of Geometry of aerial photograph, determination of Scale and height, image parallax; Visual interpretation (interpretation keys and elements, Physical and cultural features)

Digital image processing-data formats, radio metric and geometric correction

Image enhancement-(contrast, low and high pass filters, PCA, and vegetation index transforms, Image Classification-Supervised and unsupervised

Unit III: Basics of GIS

Components of GIS, Data types and data models, Data input (scanning, digitization, topology creation

Non spatial data (linking, query and display) thematic mapping

GNSS-GPS (Space Segment, Satellite Triangulation, Pseudo Random Code, Control segment), DGPS;

Unit IV: RS and GIS combined

DEM and 3D visualization, Spatial analysis- slope aspect, flow, accumulation, direction, stream order scheme, watershed analysis, Remote Sensing application for agriculture, forest and hydrology.

Readings:

1. Burrough, P.A. and McDonnell, R.A. (1998). *Principles of Geographic Information Systems*. London: Oxford University Press.
2. Campbell, J.B. and Randolph, H. W. (2011) *Introduction to Remote Sensing*. New York: Guilford Press.
3. Demers, M. N. (2000). *Fundamental of Geographic Information Systems*. London: John Wiley and Sons.
4. Gottfried, (2003): *Geoinformation: Remote Sensing, Photogrammetry and Geographic Information Systems*. London: Taylor & Francis.
5. George, J. (2013). *Fundamental of Remote Sensing*. New Delhi: Universities Press.
6. Heywood, Ian (2000). *Geographical Information Systems*. London: Longman
7. Heywood, I. et. at. (2006). *An Introduction to Geographical Information System*. London: Pearson Education,
8. Jensen, J.R. (2004). *Digital Image Proccession*. New York: Pearson Education.
9. Jones, C.B. (1997). *Geographical Information Systems and Computer cartography*. London: Addison Wesley Longman Ltd.
10. Lillesand, T. and Kiefer, R. (2007). *Remote Sensing and Image Interpretation*. London: Wiley,



GEO-PG-O-203

Environment and Development

Unit I: Concepts

- i. Environment, Ecosystem, Ecosystem Services
- ii. Economic Growth, Development, Sustainable Development
- iii. Deep Ecology, Environmental Ethics, Political Ecology, Green Economy
- iv. Human Security, Environmental Security, Environmental Justice

Unit II: Environmental Concerns related to Development

- i. Global Environmental Degradation: Drivers of Ecosystem/Environment Change, Deforestation and Loss of Biodiversity, Pollution, Climate Change, Implications for Human Security
- ii. Global Events for Environmentally Sustainable Development: UN Convention on Human Environment, Brundtland Commission, Montreal Protocol, Rio Summit, Agenda 21, UNFCCC, Kyoto Protocol, WSSD 2001, 2011

Unit III: State of India's Environment

- i. Land, Water, Air, Forest, Mineral Resources, Food Security, Health, Wildlife, Glacier
- ii. Population, Urbanisation challenges, Mega-Development Projects
- iii. Socio-environmental Movements, Environmental Leaders
- iv. Climate Change and Disasters with particular focus on the Himalaya
- v. Important Environmental Policies and Laws in India

Unit IV: Introduction to Environmental and Social Impact Assessment

- i. Evolution of EIA and SIA
- ii. EIA Regulations in India
- iii. SIA: Legal Frameworks
- iv. Public Participation and Decision Making
- v. Benefit Sharing Mechanisms in Development Projects

Readings:

1. Barrow, C. J. (1999). *Environmental Management*. London: Routledge.
2. CSE. (2017). *Environment Reader for Universities*. New Delhi: Centre for Science and Environment.
3. Dawson, J. A., & J. C. Doomkamp (1975). *Evaluating the Human Environment: Essays in applied geography*, (Eds). London (reprint): Edward Arnold.
4. Finisterbusch, K. K., & Walf, C. P. (1997). *Methodology of Social Impact Assessment*, Downden. Strondburg: Hutchinson & Ross.



5. Guha, R. (2014). *Environmentalism: A Global History*. Delhi: Penguin.
6. Ives, J. D. (2004). *Himalayan perception: Environmental change and the well-being of mountain peoples*. London (reprint 2006): Routledge .
7. Lohani, B. N. (1997). *Environmental impact assessment for developing countries in Asia (Vol 1)*. Manila: ADB.
8. Odum, E. P. (1971). *Fundamentals of Ecology*. Philadelphia: W.B. Sanders.
9. Park, C. C. (1981). *Ecology and Environmental Management: A Geographical Perspective*. London: Butterworths.
10. World Bank. 2010. *Environment and social management framework*. Vol. 1, 2 and 3 of India



GEO-PG-C-204: Population and Settlement Geography

Unit I: Concept, distribution and growth

Population Geography: Evolution, Scope and Subject matter, Relationship with Demography and other Social Sciences, Population Distribution and Growth: World Patterns and their determinants; Population distribution and growth in India; Demographic Transition Theory; Demographic Dividend

Unit II: Population Change

Fertility and its measures; Mortality and its measures; Mobility; Factors affecting Population Change; World Patterns of Fertility, Fertility in India; Mortality Patterns in the world and India

Unit III: Migration

Concept; Migration Types; Determinants of Migration; consequences of Internal and International Migration; Laws of Migration

Unit IV: Settlements

Settlements: Forms, Types and Patterns of rural settlements with special reference to India; Transformation of rural settlements

Urban Settlements: Urbanisation Process; Urbanization in India; Size-Class Distribution of urban settlements; Distribution of cities in India, Rural-Urban migration, Mega-cities: opportunities and challenges; Slums and urban poor,

Readings:

1. Bhende Asha, A. and Kanitkar, T. (1982). *Principles of Population Studies*, II Edn., Bombay: Himalaya Publishing House.
2. Carter, Gregg Lee (2016). *Population and Society: An Introduction*. West Sussex: Wiley-Blackwell.
3. Chandana, R.C. (2014). *Geography of Population*. Ludhiana: Kalyani Publishers.
4. Clarke, John I. (1971). *Population Geography*. Oxford: Pergamon.
5. Hassan, Mohammad Izhar (2005). *Population Geography*. Jaipur: Rawat Publications.
6. Kayastha, S. L. (2011). *Geography of Population*. Jaipur: Rawat Publications
7. Kinsley Davies (1951). *The Population of India and Iraq*. Princeton University Press.
8. Singh, K.P. (2012). *Population and Settlement Geography*. New Delhi: Axis Publications
9. Singh, R.L. and K.N. Singh (eds. 1975). *Readings in Rural Settlement Geography*. Varanasi: Geographical Society of India.
10. Trewartha, G. T. (1969). *A Geography of Population: World Patterns*. New York: John Wiley.

**SEMESTER III****GEO-PG-C-301****History of Ideas in Geography****Unit I: Emergence of the Discipline**

Historical Development: Contribution of major proponents in geography in the ancient world (the Greeks, the Romans and Indians)

Development of Geography during the Middle Ages (Arab Geography)

Reformation, Age of Enlightenment and pre-Modern Geographies (Varenius and Kant)

Age of Discovery and Exploration.

Unit II: Shaping the Discipline

Nineteenth Century Geography: Ritter and Humboldt

Ratzel, Semple, Huntington and Taylor - Environmental Determinism

Possibilist School; La Blache, Brunhes and the French school

Influence of Darwinism on Geography

Unit III: Towards Scientific Explanation and Theory Building

Early 20th Century Geographies: Sauer—Cultural School; Hartshorne—Regional School (Areal Differentiation);

Dualisms—Regional Vs. systematic, Physical vs. Human

Positivism in Geography, Quantitative Revolution and Logical Positivism

Unit IV: Geography as Social Science

Contemporary Geography: Behaviouralism and Humanistic Geography

Radical and Marxist Geography, Feminist Geography, Postcolonial Geography

Readings:

1. Castree, Noel, Alisdair Rogers, and Douglas Sherman, (2005). *Questioning Geography: Fundamental debates*, (edited). Boston: Wiley-Blackwell
2. Livingstone, David. N (1993). *The Geographical Tradition.*, London: Oxford Blackwell
3. Duxit, R.D (2003). *Geographical Thought, A contextual History of Ideas*. New Delhi: Prentice Hall of India
4. Peet, R. (1978). *Radical Geography*, (2nd Edition). London: Methuen
5. Peet, R. And Thrift, N. (2002.). *New Models in Geography*, Vol. 1 and 2, (edited) London: Unwin Hyman
6. Holt-Jensen, Arild.(1999). *Geography-History and Concepts: A Student's Guide*. London : Sage



7. Johnston, Ron, and James D. Sidaway. (2015). *Geography and geographers: Anglo-American human geography since 1945*. London: Routledge.
8. Kitchin, Rob, and Nigel Thrift. (2009). *International encyclopaedia of human geography (In 12 Vols)*. Elsevier.
9. Martin, G.J and T.S. Martin (2005). *All Possible Worlds: A History of Geographical Ideas*. New York: Oxford University Press
10. Stoddard, D.R. (1987). *On Geography & Its History*, Oxford: Basil-Blackwell



GEO-PG-C-302

Regional Development and Planning

Unit I: Concepts and Theories

Concept and Typology of a Region: Formal, Functional, and Planning Regions

Concept of regional development and Planning

History of development of Regional Planning

Scope, objectives, Rationale and Principles of Regional planning

Theories of Regional Development

Unit II: Approaches to Regional Planning

Types of Planning

Environment and Regional Planning

Settlements (Christaller, Isard, Weber etc) with particular focus on Challenges of Mega City Regions

Remote Sensing /GIS and Regional Planning

Migration and Regional Planning

Transport and Regional Planning

Unit III: Regional Planning practices in India

Regional development planning in Indian National Plans

Metropolitan Planning, Resource Development Region Planning, National Capital Region Planning, Special Purpose Regions Planning- HADP, BADP, DPAP, NEC and NE Region Planning , Multi-level planning, Decentralized Planning

Legislative Frameworks of Regional Planning (including 73rd and 74th Amendment Acts)

Unit IV: Levels of Regional Development in India

Sources of Data

Measures of regional development and disparities in India

Human and State Development Reports

Case Studies: Urbanisation, Migration, Health, Education, Employment and Infrastructure with particular focus on North East India.

Readings:

1. Chand, M., & Puri, V. K. (1983). *Regional Planning in India*. New Delhi: Allied Publishers Limited
2. Dawkins, D. J. (2003). Regional Development Theory: Conceptual Foundations, Classic Works, and Recent Developments. *Journal of Planning Literature*, 18 (2), 131-172.



3. Issard, W. (1956). *Location and Space Economy*. Massachusetts: MIT Press.
4. Issard, W. (1971). *Methods of Regional Analysis : An Introduction to Regional Science*. Cambridge: MIT.
5. Maboguje, A. L., & Mishra, R. P. (1995). *Regional Development Alternatives: International Perspectives*. Nagoya: United Nations Centre for Regional Development Series (1-7), on Regional Development.
6. Mishra, R. P. (1992). *Regional Planning: Concepts, Tools, Techniques and Case Studies*. (Revised Edition). New Delhi: Concept.
7. Mitra, A. (1968). *Levels of Development in India, Census of India 1961*. Monograph No.7.
8. Mohapatra, A. C., & Pathak, C. R. (2003). *Economic Liberalisation and Regional Disparities in India*. Shillong: Star Publication House.
9. Sundaram, K. V. (1985). *Geography and Planning*. New Delhi: Concept.
10. Richardson, H. W. (1969). *Urban and Regional Economics*. London: World Univ Press



GEO-PG-O-303 Regional Geography of Nepal and Eastern Himalayas with Special Reference to Sikkim and Darjeeling**Unit I: The Setting**

General background to Nepal and Eastern Himalayas and its divisions, Nepal, Darjeeling-Sikkim and Bhutan Himalayas, Arunachal Himalayas, Geological evolution, Physiography and Drainage systems Climate, Natural Hazards, Natural Vegetation and Soils

Unit II: Diversities and Plurality

Cultural Evolution, Ethnicities and Cultural diversity and regions Political history and state formations, Geo-political contexts of Nepal and Eastern Himalayas and cross border issues. Population distribution and growth, Population problems, Rural and Urban settlements

Unit III: Economy

Agrarian economy, shifting cultivation, Terrace and plantation farming, Forestry and foraging economies, Rural livelihoods Industries, organized sectors and traditional products, occupations and employment Communications and trade with special emphasis on border trade with China (Tibet), and Bangladesh

Unit IV: Regional Geography of Sikkim

Physiography, climate and ecological zones, drainage and water resources, bio-logical resources and biodiversity Peopling, population distribution, ethnicities, Population growth Economic enterprises in Sikkim, adventure and eco-tourism, Agriculture and plantation economies, Manufacturing including traditional crafts Problems of economic and cultural development of Sikkim

Readings:

1. Das, H.P.(1970). *Geography of Assam*. New Delhi: NBT.
2. Gopalakrishnan, R. (1996). *Socio-Political framework of North East India* New Delhi: Vikas.
3. Lama, M.P.(2001). *Sikkim: Human Development Report*. Government of Sikkim. Delhi: Social Science Press
4. Sinha, A.C. (2009). *Sikkim: Feudal and Democratic*. New Delhi: Indus Publishing Company
5. Taher, M. and A. Ahmad. (1998). *Geography North East India*. New Delhi: El Dorado Publications
- 6 . Karan, Pradyumna P. (1990). *Bhutan, Environment, Culture and Development Strategy*. Delhi: Intellectual Publishing House
- 7 . Karan, Pradyumna P and William M. Jenkins (1960). *Nepal, a cultural and physical geography*. Kentucky: University of Kentucky Press
- 8 . Duff, Andrew (2015). *Sikkim: Requiem for a Himalayan Kingdom*. Berlin: Random House
- 9 .Coelho, V. H. (1970). *Sikkim and Bhutan*. Delhi: Indian Council for Cultural Relations
- 10 . Bhattacharya N.N. (2009). *North East India : A Systematic Geography*. Delhi: Rajesh Publications



GEO-PG-O304 Rural Development – Planning and Policy with Special Reference to North-East India

Unit-I: Concepts

Rural- Concepts, contestation and dynamics of rural space-created, produced and reproduced; Processes of rural transformation–Imagination of rural, Exploitation of rural, Consumption of Rural, Developing Rural, Living with Rural, Performing of Rural, Regulation and Remaking of Rural.

Unit-II: Rural Development: principles and processes

Concept of rural Development, basic elements, dilemmas

Paradigms/theories and rural development, globalization and sustainable rural development and measures of rural development,

Rural Development Processes in India: Major features of colonial and post- Independence period. Rural economy of India- size and structure (agriculture and non-agriculture)

Rural-Urban Relations: Rural-Urban continuum, Disparities and Migration.

Unit III: Rural Development Programmes and Policies

Rural Development Policy in India, Rural Poverty Alleviation Programmes and sustainable livelihoods. Financing bodies of Rural Development,

73rd Amendment, Role of rural market (periodic and permanent) in rural development,

Unit IV: Rural Development in North-East.

Rural Infrastructure planning: physical infrastructure-connectivity,

Decentralised Planning for rural areas: Autonomous Hill Development Council, Village council, sixth schedule provision for local institutions in North-East.

Traditional Institutions: Dzumsa, Darbar Shnong, ADC etc.

Civil society institutions, SHG, etc. Problems and Challenges.

Rural Development Programmes and Policies in Sikkim

Readings:

1. Francisco J. T (2008). *Rural Analysis and Management: An Earth Science Approach to Rural Science*. London: Springer.
2. Desai, V. (1986). *Rural Development*, Vol-1-6, New Delhi: Himalayan Publishing House.
3. Government of India (2014). *Annual Report -2012-13*. New Delhi: Ministry of Rural Area and employment, Government of India.
4. Hugh D. Clout (1972). *Rural Geography- An Introduction Survey*. New York: Pergamon Press.
5. NIRD (2011). *India Rural Development Report 2010-/1*.Hydarabad.



6. Rao R.N (1986). *Strategy for Integrated Rural Development*. New Delhi: B.R Publication.
7. Ramachandran, H. and Guimaraes, J.P.C (1991). *Integrated Rural Development in Asia-Learning from Recent Experience*. New Delhi: Concept.
8. Singh, K. (2007). *Rural Development- Principles, Policies and Management*. New Delhi: Sage.
9. Woods M.(2011). *Rural*. London: Routledge,
10. Srinivas. M.N (1968). *Village India*. Bombay: Asia Publication House.



SEMESTER IV

GEO-PG-E-401

Natural Hazards and Disaster Management

Unit I: Concepts and Types

- i. Concepts and definitions: hazard, disaster, risk, uncertainty, resilience, adaptation, vulnerability,
- ii. Classes/Types of Disasters (Natural and Anthropogenic): Earthquake, Mass Movement, Forest Fire, Floods, Famine, Drought, Biological disaster, Industrial disaster, Nuclear disaster, War.
- iii. Spatial Dimensions of the Natural Hazards and Disasters

Unit II: India and Natural Disasters

- i. Disaster Profile of India: identifying area of Vulnerability
- ii. Natural Disasters in the Himalaya
- iii. Impact of Natural Disasters on Human Security

Unit III: Disaster Vulnerabilities of Sikkim

- i. Earthquake (with focus on 2011)
- ii. Landslide
- iii. Flood (including GLOF)
- iv. Forest Fire
- v. Newer hazards and disaster challenges (Mega Hydropower projects, Pharmaceutical Industries, Climate Change etc)

Unit IV: Disaster Management

- i. History of DM: Hyogo and Sendai Frameworks
- ii. Pre Disaster: Prevention, Mitigation, Preparedness
- iii. Post Disaster: Response and Recovery
- iv. Key Players in Disaster Management
- v. Training and Capacity Building
- iv. Role of Media and RS and GIS in disaster studies

Readings:

1. Blaikie, P., Cannon, T., & Davis, I. (1994). *At Risk: Natural Hazards, People's Vulnerability, and Disasters*. London: Routledge.
2. Council, N. R. (2006). *Facing Hazards and Disasters: Understanding Human Dimensions*. Washington: National Academies Press.



3. Documents, G. O. (Various Years). *Vulnerability Atlas (2004), Disaster Management Act (2005), Disaster Management Policy (2009)*.
4. Flynn, S. (2007). *The Edge of Disaster: Rebuilding A Resilient Nation*. New York: Random House.
5. Pal, I., & Shaw, R. (2017). *Disaster Risk Governance in India and Cross Cutting Issues*, Singapore: Springer.
6. Platt, R. H. (1999). *Disasters and Democracy: The Politics of Extreme Natural Events*. Washington: Island Press.
7. Quarantelli, E. (1998). *What is a Disaster? Perspectives on the Question* . London: Routledge.
8. Paraswamam, S., & Unikrishnan, P. V. (2000). *India Disaster Report*. New Delhi: Oxford.
9. Schneid, T., & Collins, I. (1998). *Disaster Management and Preparedness*. UNU-EHS. Various years. World Risk Reports. Washington: Lewis.
10. Wisner, B., Blaikie, P., Cannon, T., & Davis, I. (2004). *At Risk: Natural Hazards, People's Vulnerability and Disasters (2nd Ed.)*. London and New York: Routledge.



GEO-PG-E-402: Geography of Tourism with Special Reference to Sikkim

Unit-I: Concept and Issues of Tourism

Concepts and typology, emerging issues in tourism, Modern tourism, Geography of Tourism-Development, Status, Spatial and temporal pattern of international tourism.

Unit-II: Trends and Tourism Geographies

Demand and Motivation: Models, factors influencing both tourist generating and destination areas, consumption and identity, Constraints to tourism.

Trends of tourism: Urban and Rural Tourism, Coastal tourism, Mountain tourism, Heritage tourism, pro-poor tourism, Politics of tourism, Political Economy of Third World tourism.

Unit- III: Impacts of Tourism and Planning

Economic, Socio-cultural, and Environmental Impacts, Resource management and Carrying Capacity, the Limit of Acceptable Change and Impact on Physical Environment:

Policies, Programmes and Planning in Tourism, Role of NTAS, ITDC, ICPB, National Tourism Board and Conservation Policy

Unit-IV: Tourism in Sikkim

Development of Tourism in Sikkim:Infrastructure development, tourist demand and Employment,Potentials and Challenges, Tourism sites and locations; tourist information systems, Tourism and its effects on environment; moral and ethical issues in high-tourist areas,Eco-tourism and alternative forms of tourism potentials in Sikkim, Government policies and Programmes.

Readings:

1. Hall, C.M. and S.J. Page (1999). *The Geography of Tourism and Recreation: Environment, Place and Space*. Landon: Routledge.
2. Hall, M.C. (2008). *Tourism Planning Policies, Process and Relationships*. London: Pearson Education Ltd.
3. Mowforth, M. and Munt, I. (2009). *Tourism and Sustainability*. London: Routledge.
4. Pearce, D. G. (1995). *Tourism today: A Geographical Analysis*. London: Longman.
5. Shackly, M. (2006). *Atlas of Travel and tourism Development*. London: Elsevier.
6. Shaw, G. and William, A.M. (1994). *Critical Issues in Tourism: A Geographical Perspective*. London: Blackwell.
7. Stephen, J.P. and Connell J. (2009). *Tourism: A Modern Synthesis*. London: Cengage Learning.
8. Smith, S.L.J (1983). *Recreational Geography*. London: Longman.
9. William S. and Lew A.A (2015). *Tourism Geography*. New York: Routledge
10. Urry, J. and Larson, J. (2011). *The Tourist Gaze 3.0*. London: Sage



GEO-PG-E-403 Agricultural Geography with Special Reference to North-East India

Unit I: Origin and Development

Nature, Scope and Significance of Agricultural Geography

Origin and development of agriculture, diffusion and adoption of crops and animals and gene centres.

Approaches to the study of Agricultural Geography: commodity, regional and systematic

Political Economy of Agriculture in India and Agrarian distress.

Unit II: Determinants of Agriculture

Determinants: Physical, Socio-economic and technological

Agricultural Regionalization: Cropping pattern, crop combination, diversification and specialization, and degree of commercialization

Crop intensity, efficiency and productivity patterns with special reference to India;

Green Revolution - its regional impacts and consequences

Agricultural marketing systems

Unit III: Agricultural Systems in the World

Whittlesey's classification of agricultural regions and recent changes

Von Thunen's theory of agricultural location and recent modifications

Agricultural Land use classes in India

Land capability classification: methods and applications

Unit IV: Agriculture in North-East India

Shifting cultivation: system and patterns; consequences of shifting cultivation;

Shifting cultivation and livelihoods

Peasant farming: small scale rice-farming in plains and hills, terrace farming, organic farming, land tenancy and rising landlessness in the region

Plantation farming in the North-East: Its colonial history, patterns of tea-plantation,

Plantation cropping in Sikkim: Problems and Prospects

Readings:

1. Bhalla, G.S. (2011). *Conditions of Indian Peasantry*, New Delhi: National Book Trust. India
2. Bhalla, G. S. and Gurmail, S. (2001). *Indian Agriculture: Four Decades of Development*. New Delhi: Sage Publications,.



3. Burmon, A.K. (1977). "Tribal Agriculture in the North-Eastern Hill Region", *Social Scientist*, Vol. 6, No. 3, pp. 61-68.
4. Chakrabarti, A. (2011). "Transhumance, Livelihood and Sustainable Development and Conflict between Formal Institution and Communal Governance: An Evaluative Note on East Himalayan State of Sikkim, India, *IPEDR*, Vol. 5, LACSIT Press. Singapore, pp. VI-1 to VI-7.
5. Gupta, R.D. (1986), "From Peasants and Tribesmen to Plantation Workers: Colonial Capitalism, Reproduction of Labour Power and Proletarianisation in North-East India, 1850s to 1947", *Economic and Political Weekly*, Vol. XXI, No. 4, pp. PE2 to PE10.
6. Mohammad, N (1992). *New Dimensions in Agricultural Geography* (Volume I to VIII). New Delhi: Concept Publishing Company
7. Shaffi, M. (2000). *Agricultural Geography of South Asia*. New Delhi: Macmillan India Ltd.,
8. Vaidya, B.C. (1997). *Agricultural Landuse in India*. Delhi: Manak Publications Pvt. Ltd.
9. Sachchidananda (1989). *Shifting Cultivation in India*. New Delhi: Concept Publishing Company
10. Singh, S. (2012). "New Markets for Smallholders in India: Exclusion, Policy and Mechanisms", *Economic and Political Weekly*, Vol. XLVII, No. 52, pp. 95-105.

**GEO-PG-E-404****Geography of Natural Resources****Unit I: Definition, scope and classification of resources**

Natural resources and human societies, Global distribution of natural resources,

Club of Rome studies and limits to availability of natural resources, Political economy of global natural resources, in respect to oil and oceanic resources

Unit II: Global distribution of energy resources

Coal, oil, natural gas and hydro-power resources, the energy deficit and surplus areas

Global energy trade and situation of India in global energy scenario

Global distribution of principal minerals: Ferrous (Iron), Non-ferrous (Aluminum) and Noble metals (Copper) India's production, distribution and consumption of principal minerals (Iron, Aluminum & Copper)

Unit III: Forest and Biodiversity resources and their significance to human societies

Global distribution of forest resources; The Equatorial Rainforests, the Tropics, the mid-latitude and high latitude forests; forest products and global trade, India's forest resources and their conservation, Significance of global fresh-water resources, confined, flowing and ground-water resources; their distribution, Identification of chronically water deficit and surplus areas; India's situation in global fresh-water resources

Unit IV: Concept and principles of conservation of resources

Recycling, efficient and multiple-use of natural resources, Principles of Sustainable Development and the Brundtland Report, Economic efficiencies and trade-offs in conservation strategies, Public policies for conservation strategies, market forces, fiscal methods, incentive systems and regulatory systems of management, India's resource management policies (energy, minerals, forests and water resources)

Readings:

1. Bruntland, G. (1987). *Our Common Future, World Commission on Environment & Development*. Oxford: Oxford University Press
2. Eherlich & Eherlich. (1977). *Ecoscience: Population Resource and Environment*. San Francisco: W.H. Freeman
3. Meadows, P. et. al.. (1972). *The Limits to Growth*. New York: Universe Books.
4. Mathew, R. Simons (2000). Revisiting the Limits to Growth: Could the Club of Rome Have Been Correct, After all? (Part I):, Published by Great Change.org, Archived Sep 30
5. Sunil Munshi(1984) *Resource, regions and regional disparity in India*. New Delhi: People's Publishing house.
6. Barma, H. Naazneen and Kai Kaiser (2012). *Rents to Riches? The political Economy of Natural Resources led Development*. Washington D.C: the World Bank.



7. Gadgil, Madhav and RamachandraGuha (2000). *The use and abuse of nature*. New Delhi: Oxford University Press
8. Temel, Bulent (2012). From Value to Power: the Rise of Oil as a Political Economic Commodity, Turkish Economic Association, Discussion Paper, July.
9. Collier, Paul (2010). *The Political Economy of Natural Resources*, *Social Research*, Vol 77, No. 4, Winter
10. Kate, R.W and Ian Burton (1986). *Geography, Resources and Environment Vol.II.* (ed). Chicago: Chicago University Press.

**GEO-PG-E-405****Urban Geography****Unit I: Understanding Urban Geography**

Nature and scope of urban geography; Concepts and Theory in Urban Geography;

Preconditions for urban growth; Theories of Urban origins; Early Urban Hearths; Spread of urbanism; Urban Revival in Western Europe; Nature of the cities during ancient, medieval and modern times

Unit II: The Global Context of Urbanisation and Urban Change

Urbanisation of the globe, Changing Distribution of world's Urban population; Causes of Urban Growth, Megacities and Million Cities; urbanisation and Economic Growth; the urbanisation cycle; Types of urban regions; Urban morphology; Changing city landuse, urban sprawl and urban fringes

Unit III: Processes and Outcomes of Urbanisation in India

Urbanisation and Urban expansion in India; Distortions in urban system; Economic base; functional classification of towns; Problems of small and medium towns in India; Indian Mega-cities

Unit IV: Contemporary Cities

Contemporary issues in urban India: a) urban infrastructure b) housing, slums and urban poor; c) urban governance

Urban environment: pollutions, heat island, urban flooding and urban crimes;

Policy responses: City planning, JNNURM, Smart Cities and other relevant policies

Readings:

1. Bhattacharya, B. (2006). *Urban Development in India: Since Pre-historic Times, (edited)* New Delhi: Concept Publishing Company.
2. Carter, Harold (1995). *The Study of Urban Geography*. London: Arnold
3. Gavin, Shatkin (2014). *Contesting the Indian City: Global Visions and the Politics of Local, (edited)* New York: Wiley Blackwell.
4. Hall, Tim (1998). *Urban Geography*. London: Routledge
5. Jonas, Andrew E. G., Eugene McCann and Mary Thomas (2015). *Urban Geography: A Critical Introduction*. Boston: Wiley-Blackwell
6. Kaplan, Dave H. and Steven Holloway (2014). *Urban Geography*. Boston: Wiley-Blackwell
7. Harvey, D. (1973). *Social Justice and the City*. London: Edward Arnold.
8. Mayer, J. M. & C.F. Kohn (eds., 1959). *Readings in Urban Geography*. Chicago: University of California Press.
9. Pacione, Michael (2005). *Urban Geography: A Global Perspective*. New York: Routledge
10. Ramachandran, R. (1993). *Urbanisation and Urban Systems of India*. New Delhi: Oxford University Press.

**GEO-PG-E-406 Social and Cultural Geography with Special Reference to India and North-East India****Unit I: Social Geography- evolution and relevance**

Definition: Nature and Scope and evolution of Social Geography in the Anglo-Saxon World, Society and Environment, Social Evolution, Social Structure, Social Diversity and Plurality (Examples should be drawn from North-East India, as far as practicable)

Unit II: Concepts and Themes

Social Space and Social Area Analysis, Social exclusion and Social Justice; Geography of Social Well-being, Social Pathology and Social Action (Examples should be drawn from North East India, as far as practicable)

Unit III: Cultural Geography

Definition, Scope and evolution of Cultural Geography Concepts of Culture –Traits, Diffusion, Acculturation.

Themes and Concepts in Cultural Geography: Culture Area, Cultural Region, Cultural Diffusion and Assimilation, Cultural ecology, Cultural Interaction, Cultural Landscape.

Unit IV: Components of Cultural Geography

Types and Pattern of World Cultural regions: Language, Religion, Ethnicity; Cultures and cultural regions in North East India in particular reference to religion; Ethnicities in North-East

Readings:

1. Ahmad, A. (1999). *Social Geography*. Jaipur: Rawat Publications.
2. Crang, Mike (2013). *Cultural Geography*. London: Routledge.
3. Dreze. Jean and A. Sen (2004). *An Uncertain Glory: India and its Contradiction*. New Delhi: Penguin India
4. Eyles, John (1979). *An Introduction to Social Geography*. London: OUP
5. Mitchell, D. (2000). *Cultural Geography: A Critical Introduction*. Oxford: Blackwell Publishers Ltd.
6. Price, M., and M. Lewis (1993). "The Reinvention of Cultural Geography". *Annals of the Association of American Geographers*, 83 (1):1-17.
7. Robertson, I. and Richards, P. (2003). (eds.): *Studying Cultural Landscapes*. London: Arnold
8. Subbarao, Bendapudi (1958). *The Personality of India, Faculty of Arts*. Baroda: MS University
9. Khilnani, Sunil (2004). *The Idea of India*. Delhi: Penguin India
10. Thrift, Nigel (2005) *Cultural Geography: Critical Concepts in the social Sciences*. London: Rutledge

**GEO-PG-E-407: Geography of Social Well-being****Unit I: Formulation of Welfare Geography**

Welfare theme in human geography, Welfare Geography and Social Well Being: Theoretical approaches and development; Well-being and Level of Living,

Discrimination, Deprivation and Poverty: Concept of absolute and relative deprivation, Social differentiation, Discrimination, Deprivation and exclusion, patterns of rural and urban poverty

Unit II: Indicators of Social Well-being

Economic vs Social Indicators of Well-being, Social Indicators Movement, Establishing criteria of Social Well-being and Terrestrial Well-being, Identification and choice of Indicators, Changing Social Priorities, Social Reporting and Planning, Terrestrial Social Indicators, Exclusion of Indicators of Well-Being.

Unit III: Education and Well-being

Concept of human resource development: Education and human resource development, education and enlarging choices, empowerment and wellbeing

Education and literacy in developing countries, Social and spatial disparity in literacy attainment in India, female literacy in India, regional variations, social access to education

Education, occupational changes, employment and un-employment in India

Education and social change

Unit IV: Health and Well-being

Health and social wellbeing; health care systems (public and private) in India; Disparity in healthcare provision in India.

Disease, disease prevalence and disease ecologies in India; Environment and health with special reference to large urban areas of India; Occupational health and associated risks; Poverty and health in India

Readings:

1. Akhtar, R. and Izhar, N. (2010), *Global Medical Geography* (ed.), New Delhi: Rawat Publications
2. Butola, B.S. (2004). "Spatial Distribution of Crimes against Women in India: A Study in Crime Geography", *The Deccan Geographer*, Vol. 42, No.2, pp.25-34.
3. Elling, R.H. (1981). "The Capitalist World-System and International Health", *International Journal of Health Services*, Vol 11, No. 1, pp.21-51.
4. Dreze, J. (2016). *Social Policy (Readings on the Economy, Polity and Society)*. New Delhi: Orient BlackSwan,
5. Hasan, Z. & Hasan, M. (2013). *India: Social Development Report* (ed.), Council for Social Development. New Delhi: Oxford University Press.



6. Kundu, A. Mohanan, P.C. & Varghese, K. (2013). “Spatial and Social Inequalities in Human Development: India in the Global Context”, *United Nations Development Programme (UNDP)*. New Delhi.
7. Samaddar, R. & Begum, A.A. (2014). “New Fault Line in Conflict? Women’s Emergence as the Subject of Peace in the North-East”, *Economic and Political Weekly*, Vol. XLIX, No. 43 & 44, pp. 74-83.
8. Smith, D. (1971). *The Geography of Social Well-Being in the United States: An Introduction to Territorial Social Indicators*. New Delhi: McGraw Hill Book Company
9. Sujatha, V. & Srivastava, R. (2007). *Learning from the Poor: Findings from Participatory Poverty Assessments in India*. Manila: Asian Development Bank
10. Tilak, J.B. (2013). *Higher Education in India: In Search of Equality, Quality and Quantity (Readings on the Economy, Polity and Society)*. New Delhi: Orient BlackSwan,.



GEO-PG-E-408 Political Geography with Special Reference India and East and South-East Asia

Unit I: Fundamental concepts of Political Geography

Emergence and development of Political Geography: History, Definition, and Scope

Approaches to study Political Geography: World System, Power, State and Feminist

Electoral Geography-Basic Concepts

Unit II: Concepts and Theories

Concept and theories: Nation, Nation-state, State, and Nationalism (Concept of organic state- Ratzel, Spencer and Schaffle; Nation (Primordialist and Constructivist Approaches)

Frontiers, Borders and Boundaries

Geopolitics: Theory of Heartland, Rimland, Crush zone and Sea Power Geo-strategy, Critical Geopolitics

Unit III: India and its Geopolitical Perspective

Politico-geographic factors in the rise of Indian Federalism; identity and identity politics

India and its geopolitical perspective

Geopolitical significance of the Indian Ocean, problems and prospects

Unit IV: India's North-East and South East Asia

India's North-east and neighbouring countries: borders, boundaries; agreements and disputes with China, Myanmar and Bangladesh

India's Look-East Policy, transport and trade expansion with China, ASEAN countries, free-trade agreements

Rise of China as an economic power-house and relationship with India: North-East perspective

Readings:

1. Flint, Colin, and Peter J. Taylor. (2007). *Political geography: World-economy, nation-state, and locality*. Edinburgh: Pearson Education
2. Gallaher, Carolyn, Carl T. Dahlman, Mary Gilmartin, Alison Mountz, and Peter Shirlow. (2009). *Key concepts in political geography*. London: Sage
3. Agnew, John A., Katharyne Mitchell, and Gerard Toal, (2008). *A companion to political geography*,(ed.) New Jersey: John Wiley & Sons.
4. Dikshit, Ramesh Dutta. (2000). *Political Geography: The spatiality of Politics 3E*. New Delhi: Tata McGraw-Hill Education.
5. Prescott, John Robert Victor (2014). *Political Frontiers and Boundaries (Routledge Library Editions: Political Geography)*. Vol. 12. New York: Routledge



6. Agnew, John, and Luca Muscarà. (2012). *Making political geography*. Boston: Rowman & Littlefield Publishers
7. Chapman, Graham P., and Kathleen M. Baker, (1992)) *The changing geography of Asia, (ed.)*. New York: Routledge.
8. Gopalakrishnan, Ramamoorthy. (1991). *Political Geography of India's North East*. Delhi: Har-Anand & Vikas Pub. House
9. Ahmed, Rafiul, and Prasenjit Biswas (2011). *Political economy of underdevelopment of North-East India*. New Delhi: Akansha
10. Short, John.R (1993). *An Introduction to Political Geography. 2Ed.* London: Routledge

**GEO-PG-E-409 Geography of Borderland with Special Reference to North-East India****Unit-I: Concepts and Typology**

Concepts, Theories, Typology of Borders, Border and trans-border region, problems of Border Studies.

Unit-II: Trans-Border Interactions

Borderland societies and cross-border-cultural Identities, Trans Border Mobility, Border Management-border and trans-border policies.

Unit-III: Borders of North-East India: Issues & Challenges

Case studies: Indo-Myanmar, Borders in the Eastern Himalaya, Indo-Bangladesh Border

Unit-IV: Trade, Communication and Conflicts

Border and Trans-border network and linkages. Border Trade, *Haats* and Trade through borders, Informal Trade. Channels of communication in Border areas. Borders and conflict resolution

Readings:

1. Sevastianov, S.V & Jussi P. Laine, Anton A. Kireev (2015). *Introduction to Border studie.*, Vladivostok: Far Eastern Fedral University,
2. Bose, Sugata& Ayesha Jalal: (2004). *Modern South Asia: History, Culture, Political Economy*, (2nd Ed.) New York: Routledge Publication, 2004
3. Schiff, Maurice &L. Alan Winters (2003). *Regional Integration and Development*. Washington: World Bank Publication,
4. Helliwell, J. (1998). *How much do National Borders Matter?*, New York: Brookings Institution Press,
5. Newman, D. (2002). "The lines that separate: boundaries and borders in political geography." In *A Companion to Political Geography*, edited by John Agnew and Gerard Toal, 23–43. Oxford: Blackwell
6. Newman, D. (2012). "Contemporary Research Agendas in Border Studies: An Overview." In *Ashgate Research Companion to Border Studies*, edited by Doris Wastl-Water, 33–47. Farnham: Ashgate Publishers
7. Thant, Myint-U (2008). *The river of Lost Foot Steps: A personal History of Burma*. New York: Faber and Faber Limited
8. Thant, Myint-U (2012). *Where China Meets India: Burma and the New Crossroads of Asia*. London: Faber and Faber Limited
9. James, C. Scott (2011). *The Art of Not Being Governed: An Anarchist History of Upland Southeast Asia*. New Haven: Yale University Press.
10. Rothenberg, Paula S. (2005). *Beyond Borders: Thinking Critically About Global Issues*. Boston: Worth Publishers



GEO-PG-E-410: Gender and Space

Unit I: Conceptualizing Gender within Geography

Social construction of the feminine and masculine, Development of and theoretical approaches to the study of Gender in Geography;

Examining Gender in relation to Space: Division of space in to Private and Public spaces, Gendered environments, gendered access to and experience of space; spatial variations in the construction of gender

Unit II: Spatial Patterns and modes of Gender discrimination and inequalities

Patriarchy, Matriarchy, Matriliney and Matrilocality, Gender and social values;

Social space and gender, creation of gendered space and reproduction of gendered space

Unit III: Gender disparities in Education and Health

Global pattern and the Indian situation;

Women in occupations and employment, social assignments of work and work preferences

Crime against women (home and work environment), gender stereotypes and representation in media

Unit IV: Gender identity, Gender relationships, Strategic and Practical domains

Gender Policy and practice in India;

Problems of empowerment of women in India

Gender and Development

Readings:

1. Women and Geography Study Group. (1984). *Geography and gender: an introduction to feminist geography*. London: Hutchinson Education
2. Gillian, Rose. (1993). *Feminism and Geography: the limits of geographical knowledge*. Minnesota: University of Minnesota Press
3. McDowell, Linda. (1999). *Gender, identity and place: Understanding feminist geographies*. Minnesota: University of Minnesota Press
4. McDowell, Linda. (1992). "Doing gender: feminism, feminists and research methods in human geography." *Transactions of the institute of British Geographers*: 399-416.
5. Raju, Saraswati. (2011). *Gendered Geographies: Space and Place in the South Asia, (ed.)*. New Delhi: Oxford University Press.
6. Raju, Saraswati, and Kuntala Lahiri-Dutt. (2011). *Doing gender, doing geography: emerging research in India, (ed.)*. London: Routledge
7. Agarwal, Bina. (1994). *A field of one's own: Gender and land rights in South Asia*. Vol. 58. Cambridge: Cambridge University Press
8. Ghadially, Rehana, (2007). *Urban women in contemporary India: a reader, (ed.)*. New Delhi: Sage Publications.
9. Mies, Maria. (1998). *Patriarchy and accumulation on a world scale: Women in the international division of labour*. New York: Palgrave Macmillan.
10. Nongbri, Tiplut. (2003). *Development, ethnicity and gender: select essays on tribes in India*. Jaipur: Rawat Publications

**GEO-PG-C-411****FIELDWORK AND DISSERTATION****Unit-I: Pre-Fieldwork Phase**

Ideas and importance of fieldwork in Human and Physical Geography, selection of research theme and location, nature of data in geographical research, methods and techniques of data collection, operational and ethical issues in fieldwork.

Unit-II: Fieldwork Phase

Hands on training and teamwork skills- interacting with respondents, modes of observation, types or modes of collection of data, error finding and rectification, distribution of collective responsibilities, *preparation of daily schedule*

Unit-III: Post-Fieldwork

Storing, cleaning and tabulation of data, Analysis, interpretation and presentation of data, Report Writing-types &stages of report, format of writing and referencing.

Unit-IV: Presentation and Evaluation

Note: The Field work is to be of 2 to 3 weeks. It should preferably be taken to anywhere in the North-East India or Himalaya in keeping with the thrust areas of the department. The Department should have field work equipment (including kitchen utensils, stoves, tents and sleeping bags etc).

Tour shall be undertaken during the winter vacation after the Semester-III examination. The students shall submit dissertations and defend their methodologies and findings before the entire faculty plus one external examiner at the end of the IV semester. The average of marks given by internal faculty members shall be counted out of 50% and the external examiner shall mark out of the remaining 50%.

Readings:

1. Gomez, B. and J.P. Jones III (2010). *Research Methods in Geography: A critical Introduction*. West Sussex: Wiley-Blackwell
2. Amit, V. (1999). *Constructing the Field*. London: Routledge.
3. Bechhofer, F. and L. Paterson. (2000). *Principles of Research Design in the Social Sciences*. London: Routledge.
4. Lindsay, J.M (1997). *Techniques in Human Geography*. London: Routledge.
5. Pile, S (1991) Practicing Interpretative Geography. *Transactions of the Institute of British Geographer*, New Series (Vol.16, No.4, pp.458-469. The Royal Geographical Society
6. Herbert, S (2000) *For Ethnography. Progress in Human Geography*. 24(4).pp.550-568. London: Sage Publications
7. Beteille, A. and T. N. Madan. (1975). *Encounter and Experience*. New Delhi: Vikas.
8. Burgess, R. G. (1984). *In the Field: An Introduction to Field Research*. London: Routledge.
9. Phillips, Richard (2012). *Fieldwork for Human Geography*. London: Sage publishing
10. Gerber,, Rod and Goh Kim Chuan (2000). *Fieldwork in Geography: Reflections, Perspectives and Actions.(ed.)*. New York: Springer

**DEPARTMENT OF GEOGRAPHY****MPhil & PhD SYLLABUS**

S.No	Semester	Paper Code	Paper	Credit
1	I	GEO-RS-C-101	Research Methodology	4
2	I	GEO-RS-C-102	Emerging Areas of Research in Geography	4
3	I	GEO-RS-C-103	Reading and Writing Skill Development	4
4	I,II,III	-	M.Phil Dissertation	12



GEO-RS-C-101

Research Methodology

Unit I: Scientific Research

Research: relevance of conceptual framework, identification of research problem, objectives, hypotheses, research questions, model building in Geography, Paradigm and paradigm shift

Unit II: Typology of research methods

Epistemology & Ontology, descriptive research, exploratory research, explanatory research and research on causality, comparative research, hypothesis testing research, survey research, cross-sectional research, longitudinal research, experimental and quasi-experimental research, evaluation research, case study, pilot study, field research, collaborative approaches, behavioural research, qualitative and mixed methods of research

Unit III: Sampling Fundamentals and Analysis of Variance (ANOVA)

Sampling Distribution of Mean, Concept of Standard errors, Type I & II errors, Test of significance, Comparing of means (z, t and F test); ANOVA technique, Setting up ANOVA table

Unit IV: Time Series

Meaning and necessity; components of time series; measurement of trend; monthly trend from annual data; measurement of seasonal variation.

Readings:

1. Blalock, H. M. (1979). *Social Statistics*, Series in Sociology, New York: McGraw-Hill
2. Chorley, R.J. and P. Haggett. (1973). *Models in Geography*, London: Methuen
3. Ebdon, David, (1991). *Statistics in Geography*, London: Blackwell Publishers.
4. Gupta, Goon & M.K. Gupta (1991). *Fundamental of Statistics*, New Delhi: McGraw Hills Book Company
5. Harris, R. (2016). *Quantitative Geography: the Basics*, London: SAGE Publications Ltd
6. Mehmood, Aslam. (1998). *Quantitative Methods in Geography, (Rev Ed.)*, New Delhi: Rajesh Publications,.
7. Monkhouse, F.J. (1971). *Maps and Diagrams*, London: Methuen
8. Pal, Saroj(1998). *Statistics for Geoscientists: Techniques and Applications*, New Delhi: Concept
9. Yule, G. U. & Kendal, M.G. (1973). *An introduction to the Theory of Statistics, 14th Ed.*, London: Charles-Griffin
10. Fotheringham, A.S, C. Brunson & M. Charlton (2000). *Quantitative Geography: Perspective on Spatial Data Analysis*, London: Sage



GEO-RS-C-102

Emerging Areas of Research in Geography

Unit I: Coupled Human and Natural Systems (CHANS)

Concepts, theory and Methodology; patterns and processes: Variations of CHANS across space, time and organisations; some examples of complexities of CHNS; Earth System Governance: conceptual understandings and progress

Unit II: Geographies of Globalization

Globalisation and Changing world economy culture and security

Flexible Accumulation and New International Division of Labour, Accumulation by Dispossession and social and environmental justice.

Unit III: Geographies of Anthropocene

New Perspectives on Nature-Society relationship, Concept of Anthropocene, Globalization and Knowledge Politics, Geopolitics and Climate Change. Differential citizenship identities, Vulnerabilities and Marginalisation

Unit IV: Critical Mobilities

Approaches to Mobility, Neoliberalism- Labour Migration, Trafficking, Undocumented Migration; Forced Migration, Geopolitics and International Refugee Crisis; Citizenship in worlds of mobilities.

Readings:

1. Jianguo Liu, et al. (2017). Complexity of Coupled Human and Natural Systems. *Science*, Vol. 317, pp. 1513-1516
2. Murray, W.E. and J. Overton, (2014). *Geographies of Globalization*. London: Routledge.
3. Toffin, G. and Pfaff-Czarnecka, J. eds., (2014). *Facing Globalization in the Himalayas: Belonging and the Politics of the Self* (Vol. 5). Delhi: SAGE Publications India.
4. Knox, P., John, A. & McCarthy, L. (2015). *The Geography of the World Economy*, New York: Routledge.
5. Dalby, S. (2013). Biopolitics and climate security in the Anthropocene. *Geoforum*, 49, pp.184-192
6. Castree, Noel. (2014). "Geography and the Anthropocene II: Current contributions." *Geography Compass* 8, no. 7 : 450-463.
7. Cresswell, T., Merriman, P. (2012) *Geographies of Mobilities: Practices, Spaces, Subjects*. Ashgate. Aldershot.
8. Lewellen, Ted C. (2002). *The Anthropology of Globalisation: Cultural Anthropology enters the 21st Century*. Westport: Greenwood Publishing Group Inc.
9. Merriman, P (2012) *Mobility, Space, and Culture*. London: Routledge.
10. Neal, Z. P (2016). *Handbook of Applied System Science*. New York: Routledge



GEO-RS-C-103

Reading and Writing Skill Development

Course Description and Objective: This course focuses on enhancing capacities of research scholars for widening the reading and writing skills of M.Phil/Ph.D students.

Methods of Instruction: Informal interactions over series of self-learning workshops involving participation and team-work over four workshops.

Unit I: Learning to Read and Write-Fundamentals

This module is targeted to develop the basic skills of reading and writing among students. It consists of two workshops of general nature.

Workshop I: Developing Basic Reading skills

This workshop emphasizes developing basic skills in reading. Students will read at least one essay of general nature.

Workshop II: Developing Basic Writing Skills

This workshop emphasizes developing basic skills for writing. Students will develop one essay of general nature.

Unit II- Learning to Read and Write-Advanced

This module consists of two workshops focusing on development of advanced skills required for reading and writing for academic purpose.

Workshop III: Critical Reading and Review

This workshop is designed to help students developing skills for critical reading and thinking. Students will read at least two journal articles and one book of academic nature.

Workshop –IV Critical Writing

This workshop is designed to expose the students to academic writings. It emphasizes the development of writing skills for academic purposes such as writing academic essays, research papers, dissertation/thesis. Here students will develop one literature survey-based essay, research design and outline of a project/dissertation/thesis. Students will be required to present the assignments in the workshop.

Note: In this non-teaching course books, articles etc. should be linked to the proposed area of research of the scholar.

Readings:

1. Thody, Angela. (2006). *Writing and presenting research*. London: Sage
2. Taylor, Gordon. (1989). *The student's writing guide for the arts and social sciences*. Cambridge: Cambridge University Press
3. Davies, A., K. Hoggart & L. Lees. (2014) *Researching human geography*. London: Routledge.
4. Parsons, Tony, & Peter G. Knight. (2015). *How to do your dissertation in geography and related disciplines*. London: Routledge



5. Knight, Peter, & Tony Parsons. (2004). *How to do your Essays, Exams and Coursework in Geography and Related Disciplines*. London: Routledge
6. Bonney, C. R., & Robert J. S. (2011) "Learning to think critically." *Handbook of research on learning and instruction*: pp. 166-198.
7. Blandfor, Elisabeth (2009). *How to Write the Best Research Paper Ever*, Bloomington: Author House
8. Haisler, Peter (2011). *How to write a Good Research paper*, Frederiksberg: Samfunds Litteratur
9. Lester, J.D. (2007). *Principles of Writing Research Papers*. London: Penguin Academics
10. Raustein, J.S. (2013). *How to Write an Exceptional Thesis or Dissertation*. Florida: Atlanta Publishing Group.



DEPARTMENT OF PSYCHOLOGY
SYLLABUS FOR B.A/B.SC PSYCHOLOGY

Semester	Paper	Subject Code	Paper Title	Credit
I (Odd)	I	UGPSY-101	Psychological Processes-I	4
II (Even)	II	UGPSY-201	Psychological Processes-II	4
III (Odd)	III	UGPSY-301	Social and Cultural Psychology	4
IV (Even)	IV	UGPSY-401	Human Development	4
	V	UGPSY-402	Clinical and Health Psychology	4
V (Odd)	VI	UGPSY-501	Research Methods and Statistical Applications	4
	VII	UGPSY-502	Personality and Self: Theories and Applications	4
VI (Even)	VIII	UGPSY-601	Environmental Psychology	4
		UGPSY-602	Community Psychology and Social Change	4
		UGPSY-603	Psychological Assessment	4
		UGPSY-604	Counselling and Psycho-therapy	4
	IX	UGPSY-605	Psychology of Human Resources	4
		UGPSY-606	Organizational Psychology	4
		UGPSY-607	Educational Psychology: Basic Principles for Teaching	4
		UGPSY-608	Education of the Disadvantaged	4



PSY-UG-101

Psychological Processes-I

Unit 1: Introduction, Attention and Sensation

Introduction: Nature; Definition, methods, goals and branches, historical development and current status.

Attention: Nature, Determinants, Models.

Sensation: Introduction to psychophysics: Basic concepts and methods.

Unit 2: Perception, Intelligence and Creativity

Perception: Nature; Perception of depth, form, space, movement and time; Perceptual constancies and illusions; Factors influencing perception; Extra Sensory Perception.

Intelligence: Nature, Theories, Classification, Nature-Nurture controversy,

Creativity: Improving cognitive health.

Unit 3: Motivation, Emotions and Personality

Motivation: Nature, Theories; Biological motives: hunger and Sex; Social motives: Affiliation, Achievement and Power.

Emotions: Nature, Components of an emotional reaction, Theories, Relationship between emotion and cognition, relationship between emotion and motivation. Measures of physiological changes in emotion.

Personality: Meaning, nature, and determinants; Introduction to and classification of personality theories; Assessment

Unit 4: Suggested Practicum:

Select any 4 of the following:

- Simple Reaction time
- Recognizing emotions
- Knowledge of results
- Personality test
- Span of attention
- Fluctuation of attention
- Intelligence
- Creativity
- Method of Limits- RL or DL (Psycho-physics)



Readings:

1. Baron, R. A. (2007). *Psychology* (5th ed.) New Delhi: Pearson Prentice-Hall of India.
2. Chaplin, P.&Kraweic, T.S. (1974). *System and theories in psychology*.New York: Holt, Rinehart &Winston.
3. Ciccarelli, S. K. & Meyer, G. E.(2008). *Psychology*. New Delhi: Longman.
4. Gerrig& Zimbardo, P. (2000).*Psychology and life*(17th ed.). New Delhi: Pearson Education.
5. Marx, M.H. &Hillix, W.A. (1987). *Systems and theories in psychology*. New York: McGraw Hill.
6. Passer, M. W. &Smith, R. E. (2007). *Psychology: The Science of Mind and Behaviour*. New Delhi: Tata McGraw-Hill.
7. Schultz, D. (1985). *A history of modern psychology*. New York: Academic Press. Wolman, B.H. (1973). *Handbook of psychology*. New Jersey: Prentice Hall. Woodworth, R., & Schlosberg, (1976). *Experimental psychology*. New York: Holt and Rinehart.
8. Zimbardo, P.G. & Weber, A. L. (1997).*Psychology*. New York: Harper Collins College Publishers.



PSY- UG-201

Psychological Processes-II

Unit 1: Learning

Nature, Conditioning, Cognitive Learning, Observational Learning, Biological Constraints in Learning, Applications.

Unit 2: Memory and Cognition

Memory-Nature, Models: Information-processing model, Levels of processing framework, Baddeley's model of working memory;

Types of memory: Explicit vs. implicit memory, Forgetting, Amnesia, Applications.

Cognition- Thinking: Concepts, Propositions and Imagery; Problem solving: steps, methods, obstacles; Reasoning: Deductive and Inductive, decision-making: Heuristics and Biases; Relationship between thinking and language, Applications.

Unit 3: Physiological Psychology, Nervous System and Endocrine System

Physiological Psychology: Introduction; Nature and Methods

Nervous System: Introduction, structure, and Function

Endocrine System: Pituitary, thyroid, parathyroid, pineal, pancreas and adrenal glands

Unit 4: Suggested Practicum:

Select any 4 of the following:

- Physiological measures (Nexus 10)
- Biofeedback (Nexus 10)
- Verbal Learning
- Memory/ Effect of Imagery
- Problem Solving
- Level of Processing
- Serial position effect

Readings:

1. Baron, R. (2007). *Psychology*(5th ed.). New Delhi: Pearson.
2. Carlson, N.R. (2007). *Foundations of physiological psychology*(6th ed.). New Delhi: Pearson.
3. Ciccarelli, S.K. & Meyer, G. E. (2008). *Psychology*. New Delhi: Longman.
4. Leukel, F. 1968. *Introduction to Physical Psychology*. Saint Lewis: Mosby Company.
5. Morgan, C.T., King, R.A., Weisz, J.R., & Schopler, J: *Introduction to Psychology*. (International Student Edition) McGraw Hill Book Co., 1986.



6. Passer, M.W. and R. E. Smith. 2007. *Psychology: The Science of Mind and Behaviour*. New Delhi: Tata McGraw-Hill.
7. Schultz, D. (1985). *A History of Modern Psychology*. New York: Academic Press.
8. Wolman, B.H. (1973). *Handbook of Psychology*. New Jersey: Prentice Hall.
9. Woodworth, R., & Schlosberg, (1976). *Experimental Psychology*. New York: Holt and Rinehart.
10. Zimbardo, P.G. & Weber, A.L.: *Psychology*, Harper Collins College Publishers. New York, 1997.



PSY-UG-301

Social and Cultural Psychology

Unit 1:

Introduction to Social and Cultural Psychology

- Nature, goal and scope of social psychology and cultural psychology;
- Social psychology and other social sciences;
- Methods of social psychology: Experimental and non-experimental methods;
- Introduction to cross-cultural research.

Social Perception and Cognition

- Perceiving ourselves: self- concept, self- esteem, self-presentation and self-expression
- Perceiving others: Forming impressions, Models of information integration, Primacy and recent effects;
- Attributions of causality: Theories and biases.

Unit 2:

Attitude

- Nature and functions of attitude,
- Attitude and behavior,
- Formation, change and measurement of attitude.

Prejudice and Discrimination

- Nature and components of prejudice;
- Acquisition of prejudice; Reduction of Prejudice

Group and Leadership

- Introduction to group structure, function, and dynamics;
- Norms and decision making;
- Introduction to leadership: Definition, functions, and leadership styles.

Unit 3:

Human relationship

- Introduction to and types of human relationship
- Initial attraction
- Close relationship
- Romantic love



Inter-group conflict

- Introduction to group conflict,
- Nature and theories of group conflict.

Unit 4: Suggested Practicum:

Report on any 1 of the following:

- FIRO-B
- Sociogram

Readings:

1. Alcock, J.E., Carment, D.W. Sadava, S.W., &Collins. (1987). *A Textbook of social psychology*. Scarborough, Ontario: Prentice Hall/Bacon.
2. Baron, R.A., Byrne, D. (1998). *Social Psychology: Theories, Research and Application*. New York: Mc Graw Hill.
3. Jowett, G.S. & O'Donnell, V. (1992). *Propaganda and persuasion*. NewvDelhi: Sage.
4. Lindsey, G. & Aronson, E. (Eds.) (1985). *The Handbook of Social Psychology*. New York: Random House.
5. Lorden. Farr, R.M. (1996). *The roots of modern social psychology*. Oxford: Blackwell.
6. Meltzer, B.N. & et.al. (1975). *Symbolic Interactionism: Geneses, Varieties and Criticism*. London: Routledge.
7. Misra, G. (Ed.). (1990). *Applied social psychology in India*. New Delhi: Sage.
8. Myers, D.G (1994). *Exploring Social Psychology*. New York: Mc-Graw Hill.
9. Nye, J.L. & Brower, A.M. (1996). *What is Social about Social Cognition?* Thousand Oaks: Sage.
10. Semin, G.R & Fielder, K. (1996). *Applied Social Psychology*. London: Sage.
11. Smith, E. R., &Mackie, D. M. (2007). *Social psychology*. New York: Psychology Press.



PSY-UG-401

Human Development

Unit 1:

Life Cycle Approach to Development

- Introduction to human development; historical Perspectives;
- Multidisciplinary approaches to the study of human development; Brief overview of stages of human development;
- Brief overview of stages in human development across the life span.

Theories of Human Development

- Piaget, Vyogotsky, Kohlberg, Erik Erikson.

Unit 2:

Childhood: Beginning, early childhood, middle childhood; physical, cognitive and psychosocial development.

Adolescence: Physical, cognitive and psychosocial development.

Adulthood: Young adulthood, middle adulthood, late adulthood; Physical, cognitive and psychosocial development.

Unit 3:

Problems of aging; Problems and Issues of Human Development in the Indian Context: Childhood and Schooling; Mid-life crisis; Old Age and isolation.

Unit 4: Suggested practicum activities:

Report on any 1 of the following in a standard format:

- Visit to old age home
- Visit to pediatric clinic
- Visit to play school
- Visit to primary school
- Visit to high school
- Visit to college
- Any other institute

Readings:

1. Berk, L.E. (1997). *Child development*. Boston: Allyn and Bacon.
2. Brodzinsky, D.M. *et-al.* (1986). *Life Span human Development*. New Delhi: CBS Publisher.
3. Papalia, D. E., Olds, S.W., & Feldman, R.D. (2004). *Human Development* (9th ed.). New Delhi: Mc-Graw Hill Publication.
4. Hoffman, L, Scott P, & R. Scholl. (1998). *Developmental Psychology Today*. New York: McGraw Hill Publication.
5. James W Vander Z. 1997. *Human Development* (6th ed.). Mc Graw Hill Publication.
6. Hurlock, E. (1997). *Child Development*. New Delhi: McGraw-Hill Publication.



PSY-UG- 402

Clinical and Health Psychology

Unit 1:

Introduction: Concept of normality and abnormality; models of abnormality, causal factors

Delusional Disorders: Nature and Types; Schizophrenia, Paranoid disorders

Mood Disorders: Unipolar and Bipolar disorders

Unit 2:

Anxiety disorders: Generalized Anxiety Disorder; Panic Disorder; Phobic disorders; Obsessive- compulsive disorders

Somatoform & dissociative disorders: Somatoform disorders; somatization disorders-hypochondriacs; Conversion and dissociative disorders.

Stress and Adjustment Disorders: Symptoms, causes & Effects of stress; Burnout; Coping with Stress; Post-traumatic stress disorder

Unit 3:

Personality Disorders: Introduction to paranoid, schizoid, antisocial disorders, dependent personality- alcohol and substance abuse.

Therapies: Introduction to biologically oriented therapies: electroconvulsive therapy, pharmacological methods; Introduction to psychoanalytical and behavioral therapies.

Health and Well Being: Positive health and well-being.

Unit 4: Suggested Practicum:

Report on any 1 of the following:

-Assessment of anxiety and stress related disorders/ other disorders using suitable psychological scales.

Readings:

1. Altrocchi, J. (1980). *Abnormal Behavior*. New York: Hartcourt brace Jovanovich
2. American Psychiatric Association (1994). *Diagnostic and Statistical Manual of Mental Disorders (DSM IV)*. Washington, D.C. APA.
3. Bennett, P. Weinman J. & Spurgeon, P. (Eds.). (1990). *Current Developments in Health Psychology*. U.K: Harwood Academic Publishers.
4. Bootzin, R.R. & Acocella, J.R. (1994). *Abnormal Psychology: Current Perspectives*. New York: McGraw Hill.
5. Carson, R.C., Butcher, J.N. & Mineka, S. (1996). *Abnormal Psychology and Modern Life*. New York: Harper Collins College Publishers.
6. Cokerham, W.C. (1996). *Sociology of Mental Disorders*. New York: McGraw Hill International.



7. Davison, G.C. & Neale, J.M. (1990). *Abnormal Psychology*. New York: John Wiley & Sons.
8. Duke, M.P. & Nowicki, S. (1986). *Abnormal Psychology: A New Look*. Tokyo: CES Publishing.
9. Kapoor, M. (1994). *Mental Health of Indian Children*. New Delhi: Sage.
10. Mishra, G. (Ed.). (1999). *Psychological Perspectives on stress and health*. New Delhi: Concept Publishers.
11. Pestonjee, D.M. (1998). *Stress and coping: The Indian Experience*. New Delhi: Sage.
12. Sharma, S. (1990). *Mental Hospitals in India*. New Delhi: Directorate General of Health Services.
13. Spaceman, S., & Oskamp, S. (1998). *The Social Psychology of Health*. New York: Sage.



PSY-UG-501: Research Methods and Statistical Applications

Unit 1:

- Definition of research and research method.
- Introduction to problem, hypothesis, and variables
- Method of Sampling: Probability and non-probability
- Tools of data collection: experimental, survey (questionnaire and interview), observation, case study, *ex-post facto studies*
- Introduction to test development: item analysis, reliability, validity and norms

Unit 2:

- Introduction to qualitative and quantitative analysis
- Measures of central tendency and variability
- Normal distribution: Assumptions and application
- Correlation: Spearman correlation and Pearson's r

Unit 3:

Non-parametric and Parametric Statistics: Chi-Square, t-test: Basics and Applications.

Unit 4: Suggested Assignments: (Any one)

Readings:

1. Anastasi, A. & Urbina, S. (1997). *Psychological testing*. New Delhi: Pearson Education.
2. Aron, A. Aron, E.N., & Coups, E.J. (2007). *Statistics for Psychology*(4th ed.). New Delhi: Pearson Education.
3. Broota, K. D. (2006). *Experimental Designs in Behavioural Research*. New Delhi: New Age Publishers.
4. Edwards, A. L. (1968). *Experimental designs in Psychological Research* (3rd ed.). New Delhi: Oxford and IBH.
5. Freeman, F.S (1972). *Theory and Practice of Psychological Testing*. New Delhi: Oxford & IBH.
6. Garrett, H.E. (1966). *Statistics in Psychology and Education*. Bombay: Vakils Feefer & Simon Pvt. Ltd.
7. Heiman, G. W. (1995). *Research Methods in Psychology*. Boston: Houghton Mifflin Co.
8. Kaplan, R.M. & Saccuzzo, D.P. (2007). *Psychological Testing: Principles, Applications, and Issues*. Australia: Thomson Wadsworth.
9. Kerlinger, F.N.(1983). *Foundations of Behavioural Research*. New Delhi: Surjeet Publications.
10. King, B.M. & Minium, E.W. (2007). *Statistical Reasoning in the Behavioural Sciences* (5th ed.). New York: John Wiley.
11. Kopala, M., & Suzuki L.A. (1999). *Using qualitative Methods in Psychology* (2nd ed.). Thousand Oaks: Sage.



Paper VII UGPSY-502: Personality and Self: Theories and Applications

Unit 1: Foundations of personality

- Conceptualization of personality
- Methods to study personality;
- Applications of personality in different areas of psychology

Unit 2: Classical and Neo-Freudian theories in personality

- Freud's psychoanalysis; Jung's analytic psychology, Adler's individual psychology.
- Horney's theory; Erikson; Erik Fromm

Unit 3: Existential and Humanistic approaches to personality

- Rollo May; Frankl; Maslow; Rogers

Unit 4: Suggested Practicum

Report on any 1 of the following:

- Assessment of personality (interview method or standardized tests)

Readings:

1. Baumeister, R. F. (1998). The Self. In D. T. Gilbert, S. T. Fiske, & G. Lindzey (Eds.). *The Handbook of Social Psychology*, (Vol.1) (4th ed.). New York: McGraw Hill.
2. Crowne, D. P. (2007). *Personality theory*. New Delhi: Oxford University Press.
3. Hall, C. S., Lindzey, G., & Campbell, J. B. (1998). *Theories of Personality*. New Delhi: Wiley.
4. Harter, S. (2003). The Development of Self-Representations during Childhood and Adolescence. In M. R. Leary & J. P. Tangney (Eds.) *Handbook of Self and Identity*. New York: Guilford Press(pp. 610-642).
5. Kuppaswamy, B. (1985). *Elements of Ancient Psychology*. New Delhi: Van Educational Books.
6. London, H., & Exner, J. E. (1978). *Dimensions of Personality*. New York: John Wiley & Sons.
7. McCrae, R. R. & Allik, J. (Eds.) (2002). *Five- Factor Model Across Cultures*. Dordrecht: Netherlands: Kluwer.
8. McCrae, R. R., & Costa, P. T. (1983). Social Desirability Scales: More substance than style. *Journal of Consulting and Clinical Psychology*, 51, 882-888.
9. Pervin, L. A. (1996). *The Science of Personality*. New York: John Wiley & Sons.
10. Tart, C.T. (Ed.). (1975). *Transpersonal Psychology*. New York: Harper & Row.



PSY-UG-601

Environmental Psychology

Unit 1: Introduction

-Historical antecedents of environmental psychology

Environment and Behaviour

-Effects of behaviour on environment: Perception, preferences and awareness of environment.

-Effects of environment on behaviour: Noise pollution, chemical pollution, crowding and personal space.

Psychological Approaches to Environment

-Eco-cultural Psychology (Berry).

-Bio-social Psychological approach (Dawson).

-Ecological psychology (Barker).

-Person Environment Transaction (Stokols; Ittelson).

Unit 2: Ecology and Development

-Human nature and environmental problems: Pro-social and Pro-environment behaviours,

-Ecosystems and their components.

Demography

-Mortality and fertility, resources Use: Common Property Resources.

-Sustainable Development.

-Ecology.

-Acculturation and Psychological adaptation.

Unit 3: Environment Assessment

-Socio-psychological dimensions of environmental impact.

-Environmental deprivation: Nature and consequences.

-Creating environmental awareness: Social movements (Chipko, Their, Narmada).

-Naturalistic Observation and field surveys.

Environmental wisdom:

-Evolving environmental ethics from values about Nature in the ancient Indian systems.

-Earth as a living System.

-The Gaia Hypothesis and the Deep ecology,

-Biodiversity and cultural diversity: issues and challenges.



Unit 4: Suggested Practicum Activities:

Report on any 1 of the following:

- Study of attitudes and values towards environment
- Focus group to create environmental awareness, data processing
- Field study on experience of crowding
- Case study of tragedy of commons, observation in public place.

Readings:

1. Drezel, J.& Sen, A. (Eds.) (1992). *Indian Development*. Delhi: Oxford University Press.
2. Gadgil, M.& Guha, R. (1995). *Ecology and Equity*. New Delhi: Penguin Books.
3. Goldsmith, E. (1991). *The Way: The Ecological World-view*. Boston: Shambhala.
4. Ittelson, W.H., Proshansky, H.M., Rilvin, E.G., Winkel, G.H, & Dempsey. D. (1974). *An Introduction to Environmental Psychology*. New York: Holt, Rinehart and Winston.
5. Jain, U. (1987). *The Psychological Consequence of Crowding*. New Delhi: Sage.
6. Misra, R.C. Sinha, D. & Berry, J. W. (1996). *Ecology, Community and Lifestyle*. New Delhi.
7. Odum, E.P. (1997). *Ecology: A bridge between science and society*. Massachusetts: Sinauer associates.
8. Pandey J., Sinha D. & Bhawuk, D.P.S. (Eds.) (1982). *Deprivation: Its social roots and psychological consequences*. New Delhi: Concept Publishing Company.
9. Stokols, D. & Altmann, I. (Eds.) (1987). *Handbook of environmental psychology*. New York: Wiley.



PSY-UG-602

Community Psychology and Social Change

Unit 1: Social Support and Community Psychology

- Theoretical origins of Social Support;
- Definitions of Social Support;
- Functions of Social Support;
- Nets and Social Support;
- Research in Social Support

Unit 2: Social Ecology and Community Psychology

- Ecological analogy;
- Application of the Ecological Principles;
- Ecology and Social Change

Community Participation and Social Change

- Empowerment and Participation;
- Involvement of the Community;
- Training of Community Leaders;
- Participation and Processes of Change

Unit 3: Diversity and Multiculturalism

- Paradigms of the Diversity;
- Culture and Diversity;
- Social Contexts and Diversity

Cooperative Research

Unit 4: Suggested Practicum Activities:

Report on any 1(One):

Readings:

1. Dalton, J.H., Elias, M.J., &Wandersman, A. (2001). *Community Psychology: Linking Individuals and Communities*. Stanford, CT: Wadsworth.
2. Duncan, N. (2007). *Community psychology: Analysis, context and action*. Juta and Company.
3. Florin, P. &Wandersman, A. (1990). An Introduction to Citizen Participation, Voluntary Organizations, and Community Development: Insights for Empowerment through Research. *American Journal of Community Psychology*, 18, 41- 53.



4. Kelly, J. (1987). An Ecological Paradigm: Defining Mental Health Consultation as a Preventive Service. In J. G. Kelly & Robert E. Hess (Eds.), *The Ecology of Prevention: Illustrating Mental Health Consultation* (pp. 1- 36). New York: The Haworth Press.
5. Rappaport, J. (1977). *Community Psychology: Values, Research, & Action*. New York: Holt, Rinehart & Winston.
6. Rappaport, J. & Seidman, E. (Eds.) (2007). *Handbook of Community Psychology*. Springer.
7. Sarason, S.B. (1974). *The psychological sense of community: Prospects for a community psychology*. San Francisco: Jossey-Bass.
8. Trickett, E. J., Watts, Birman, D. 1994. *Human Diversity: Perspectives on People in Context*. San Francisco: Jossey-Bass publishers.



PSY-UG-603

Psychological Assessment

Unit 1: Behavioral Assessment

-Introduction, nature, and scope of behavioral assessment

Parameters of Assessment

-*Method of scaling*

-*Psychological Scaling*

Principles of Psychological Test Development

-Item analysis; Reliability, Validity

-Establishment of norms.

Unit 2: Types of Psychological Tests

-*Introduction to test*

-*Definition and Classification of tests*

-*Group vs individual tests*

-*Tests of abilities and personality*

Unit 3: Assessment of Psychopathological Behaviour

-DSM V

-ICD 10.

Unit 4: Suggested practicum activities:

Report on any 1 from the following:

- Wechsler- IV (adult)
- MMPI
- Beck's Depression scale II/ STAI
- Constructing a test up to pilot study

Readings:

1. Anastasi, A. & Susana, U. (2003). *Psychological Testing*. New Delhi: Prentice Hall.
2. Ciminero, A.R. (Eds.) 1986. *Handbook of Behavioural Assessment*. New York: John Wiley.
3. Gregory, R.J. 2004. *Psychological testing and assessment*. Boston: Allyn & Bacon.
4. Kaplan R.M. & Saccuzzo D.P. (2005). *Psychological Testing, Principles, Applications and Issues* (6th ed.). Cengage Learning India, Pvt. Ltd.
5. Groth-Marnat, G. 2009. *Handbook of psychological assessment* (5th ed.). New York: John Wiley & Sons.
6. Aiken, L. R. (1985). *Psychological testing and assessment*. Boston: Allyn & Bacon



PSY-UG-604

Counselling and Psycho-Therapy

Unit 1: Introduction to Counselling and Psychotherapy

- Definition, status and scope,
- Goals of Counselling,
- Professional issues, ethics, education and training of the counselor,
- Indian perspective on counseling.
- Client-counselor relationship,
- Counselling interview.

Unit 2: Approaches to Counselling and Psychotherapy

- Behaviour modification techniques;
- Systematic Desensitization
- Beck's Approach;
- Rational Emotive Behavior Therapy (REBT)

Unit 3: Indian and Other Approaches

- Yoga and Meditation: Hatha Yoga and Raj Yoga
- Transcendental meditation
- Anasakti; Forgiveness

Unit 4: Suggested Practicum Activities:

Report on any 1 from the following:

- Initial interview and Case study
- Role Plays: Listening, paraphrasing, Empathy

Readings:

1. Belkin, G.S. (1988). *Introduction to Counselling*. W.G: Brown Publishers.
2. Ben, Ard, Jr. (Ed.) (1977). *Counselling and Psychotherapy: Classics on Theories and Issues*. Science and Behaviour Books Co.
3. Gibson, R.L. and Mitchell, M. (2009). *Introduction to counseling and Guidance*. 7th Edition, Pearson Education.
4. McLoed, J. (2008). *An introduction to counseling*. 3rdedn. Rawat Publication, New Delhi.
5. Mishra, G (ed.). (1999). *Psychological Perspectives on Stress and Health*. New Delhi: Concept.
6. Nelson, J. (1982). *The theory and Practice of Counselling Psychology*. New York: Holt Rinehart & Winston.
7. Udupa, K.N (1985). *Stress and its Management by Yoga*. Delhi: Moti Lal Banarasi Das.
8. Windy, D. (Ed.) (1985). *Counselling in Action*. New York: Sage Publication.



PSY-UG-605

Psychology of Human Resources

Unit 1: Introduction

Emergence of human resources as a field of study, contemporary Challenges of HR, Globalization, knowledge management, technology and demographic changes.

Context of Human Resource in Different Sectors

Health, education, science and technology, challenges and remedies.

Selection of Human Resources

Person job fit, job analysis, competency approach, use of psychological testing, interviews, critical advantages and disadvantages

Unit 2: Retaining Human Resources

Challenges of retention management, rewards and incentives, creating excellence, career management and succession planning.

Development of Human Resources

Defining need analysis, skill training, methods of training, off the job and on the job trainings, relevance of training to excellence.

Unit 3: Organizational Changes and Management

Models of techniques of organizational change, individual level and groups level techniques, effect on human resources employee Counselling and engagement.

Cultural Issues in Managing HR

Values, communication and legal aspects of managing HR, preparing an international work force.

Unit 4: Suggested Practicum activities:

Report on any 1 from the following:

- Personality test- 160 F (W)
- NEO Personality Survey
- David's Battery of differential Aptitude Tests.
- Competency Mapping of patience
- Job study on Team manager, HRD Manager, sales Experience etc.

Readings:

1. Cascio, W. F.&Aquinis, H. (2004). *Applied Psychology in Human Resources*. Prentice Hall.



2. French, Wendell L. and Cecil Bell. (2007). *Organization Development and Transformation: Managing Effective Change*. 6th Edition. New Delhi: Prentice Hall.
3. Harigopal, K.(2006). *Management of Organizational Change: Leveraging Transformation*. New Delhi: Sage Publications.
4. Harvey, Don and Donald R. Brown. (2005). *An Experiential Approach to Organization Development*. 6th Edition. New Delhi: Prentice Hall.
5. Hill, Adrian Thorn, Phil Lewis, Mark Saunders, Mike Millmore. (2005). *Managing Change: A Human Resource Strategy Approach*. New Jersey: Wiley Publishers.
6. Sethi, Vikram and William King. (1998). *Organizational Transformation through Business Process Reengineering: Applying Lessons Learned*. New York: Pearson Education.
7. Smit, E. et-al. (1997). *Basic Psychology for Human Resource Practitioners*. Juta Academic.



PSY-UG-606

Organizational Psychology

Unit 1: Introduction to Organizational Psychology and Perspectives of Understanding OB

- Definition, nature, and scope of organizational psychology,
- Introduction to organizational behaviors (OB), human resource management (HRM), organizational development (OD), ergonomics, and guidance and counseling in organization.
- Individual in the organization,
- Groups and Teams,
- Organizational structure

Unit 2: Human Resource Management (HRM), OD, and Ergonomics

- Conceptualization of HRM
- Functions of HRM
- Job analysis
- Job evaluation
- Definition and historical foundation of OD;
- OD techniques
- Introduction, nature and scope of ergonomics.
- Work environment

Unit 3: Guidance and Counseling in the organization/industry and Leadership

- Need and significance
- Employee Assistance Program (EAP)
- Application of counseling techniques.

Leadership in Organization:

- Nature and types.
- Trait theories.
- Behavioral theories,
- Situational and contingency theories.

Unit 4: Suggested Practicum Activities:

Report on any 1 from the following:

- Organizational survey
- Leadership assessment
- Case study in Organization behaviour



Readings:

1. Cascio, W. F. & Aquinis, H. (2004). *Applied Psychology in Human Resources*. New Delhi: Prentice Hall.
2. Dunnette M.D. & Hough, L.M (1992). *Handbook of Industrial and Organizational Psychology* (2nd ed.). Palo Alto: Consulting Psychology Press.
3. French, W. L., & Cecil, B. (2007). *Organization Development and Transformation: Managing Effective Change*. (6th ed.). New Delhi: Prentice Hall.
4. Harigopal, K. (2006). *Management of Organizational Change: Leveraging Transformation*. New Delhi: Sage Publications.
5. Harvey, D. & Brown, D. R. (2005). *An Experiential Approach to Organization Development* (6th ed.). New Delhi: Prentice Hall.
6. Luthans, F. (2011). *Organizational behaviors: An evidence based approach*. New York: McGraw Hill.
7. Pfeffer, J. (1994). *Competitive Advantage through People: Unleashing the Power of Work Force*. Boston: Harvard Business School Press.
8. Robbins, S. P. & Sanghi S. (2010). *Organizational Behavior: Concepts, Controversies and Application* (7th ed.). New Delhi: Prentice Hall of India.

**Paper IX: UGPSY-607 Educational Psychology: Basic Principles for Teaching****Unit 1: Introduction to Educational Psychology**

What is Educational Psychology? Education and Schooling. School Psychology & Educational Psychology. Educational Psychology & Teachers.

Student Characteristics

Individual Differences. Intelligence, Cognitive Processing, and Learning Styles. Introduction to basic concepts of Learning Disability, Dyslexia, ADHD, Behaviour Problems.

The Development of Cognition, Language, and Personality

Metacognition and Constructivism. Implications of Piaget and Vygotsky for Teachers.

Unit 2: Human Diversity and the Schools

Culture, Gender, and Marginality

Learning and Motivation

Theories and Applications. Behavioral and Social Views of Learning; Cognitive Learning; Motivation: Expectancy, Intrinsic Motivation, Competence & Self-Efficacy.

Teaching Methods and Practices

Lecturing and Explaining; Discussion Method and Cooperative Learning; Individual Instruction.

Unit 3: Classroom Ecology and Management

The Classroom: A Complex Environment. Creating a Positive Physical Environment. Creating a Positive Learning Environment: Communication & Listening Skills. Classroom Management. Prevention, Intervention and Remediation.

Classroom Assessment

Basic Concepts in Assessment and the Interpretation of Standardized Testing; The Teacher's Assessment and Grading of Student Learning

Unit 4: Suggested Practicum activities:

Report on any 1 from the following:

- Observation of Parent-Teacher Association (PTA) meeting in a school.
- Case study of a school child with ADHD/Dyslexia/LD/Problem behaviour.
- Teacher interview on children's learning problems (underachievement/LD/MR etc)
- Assessment of meta-cognition (meta-memory, reading awareness)

Readings:

1. Gage, N.L. & Berliner, C. (1998). *Educational psychology*. Wadsworth Publishers.
2. Parsons, R., Stephanie, L., & Sardo-Brown, D. (2001). *Educational psychology*. Wadsworth.
3. Woolfolk, Anita. (2008). *Educational psychology* (10th ed.). Allyn & Bacon Publishers.
4. Panda, K.C. (1999). *Disadvantaged children-theory, research and educational perspectives*. New Delhi.
5. Mohanty, A.K., & Misra, G. (Eds.) (2000). *Psychology of Poverty and Disadvantage*. New Delhi: Concept.



PSY-UG-608

Education of the Disadvantaged

Unit 1: The Concept of Disadvantaged

-Defect, difference, and educational neglect. Contextual and ecological approaches. Education of SC, ST in India.

-Poverty and Disadvantage: Educational Issues

Unit 2: Cognitive affective, motivation, personality, perceptual, language and achievement characteristics of the poor and disadvantaged children

-Socio-cultural and Family Environment and Schooling of the Disadvantaged

-Cultural and linguistic differences.

Unit 3: Educational and intervention strategies for the disadvantaged

-Education of the Disadvantaged in India

Policy and Practice

Unit 4: Suggested Practicum Activities:

Report on any 1:

Readings:

1. Gage, N.L. & Berliner, C. (1998). *Educational Psychology*. Wadsworth Publishers.
2. Parsons, Richard, Stephanie Lewis & Debbie Sardo-Brown. (2001). *Educational Psychology*. Wadsworth.
3. Woolfolk, Anita. (2008). *Educational Psychology* (10th Ed.). Allyn & Bacon Publishers.
4. Panda, K.C. (1999). *Disadvantaged Children-Theory, Research and Educational Perspectives*. New Delhi.
5. Mohanty, A.K., & Misra, G. (Eds.) (2000). *Psychology of Poverty and Disadvantage*. New Delhi: Concept.



DEPARTMENT OF PSYCHOLOGY

MA/MSc – Syllabus

Code	Course	Credit	Marks
Semester-I			
PSY-PG-C101	Cognitive Psychology	4	100
PSY-PG -C102	Research Methods	4	100
PSY-PG-C103	Advanced Social Psychology	4	100
PSY-PG-C104	Pattern and Growth of Personality	4	100
Semester-II			
PSY-PG-C201	Motivation and Emotion	4	100
PSY-PG-C202	Psychological Testing and Statistical Applications	4	100
PSY-PG-C203	Positive Psychology: Research and Applications	4	100
PSY-PG-C204	Cultural Psychology	4	100
Semester-III			
PSY-PG-C301	Qualitative Methods	4	100
PSY-PG-C302	Health Psychology	4	100
PSY-PG-O303	Work and Organizational Psychology	4	100
PSY-PG-O304	Clinical Psychology	4	100
PSY-PG- O305	Social Cognition and Social Behaviour	4	100
PSY-PG-O306	Educational Psychology	4	100
PSY-PG-O307	Work and Organizational Psychology Practicum	4	100
PSY-PG-O308	Clinical Psychology Practicum I	4	100
PSY-PG-O309	Social Psychology Practicum I	4	100
PSY-PG-O310	Educational Psychology Practicum-I	4	100
Semester-IV			
PSY-PG-O401	Human Resource Management	4	100
PSY-PG-O402	Psychotherapeutic Interventions	4	100
PSY-PG-O403	Applied Social Psychology	4	100
PSY-PG-O404	Diversity and Exceptional Children in Education	4	100
PSY-PG-O405	Organizational Development	4	100
PSY-PG-O406	Community Mental Health	4	100
PSY-PG-O407	Group and Inter-group Processes	4	100
PSY-PG-O408	Education of Disadvantaged Groups	4	100
PSY-PG-C409	Field Training	4	100
PSY-PG-C410	Dissertation	4	100



PSY-PG-C101

Cognitive Psychology

Unit I: Cognitive Processes: Nature and Nurture

Introduction to cognitive processes; Revolution of Cognitive Approach; Cognition and Brain; Current trends and status of cognitive psychology

Unit II: Attention and Perception

Attention: Definition and mechanism, determinants of attention, Selective, divided and sustained attention, Theories of Attention

Approaches to study of perception: Gestalt and physiological approaches; Perceptual Constancy; Illusion; Perception of Depth and Movements; Ecological perspective on perception

Unit III: Psycholinguistic, Memory and Decision Making

Language structure; Theories of Language; Neurological basis of language, language Acquisition: stages in language development

Memory Processes; Theories of Forgetting

Models of Memory; Biological basis of memory; Strategies to improve memory

Cognitive Strategies; Theories of Thought Processes, Concept formation, Creativity; Problem solving and Decision Making

Unit IV: Suggested Assignments: Report on any 3 of the following

1. Selective attention
2. Perceptual defence
3. Concept formation
4. Sustained attention
5. Depth Perception
6. Perceptual Differentiation
7. STM
8. Levels of Processing
9. Episodic Memory
10. Semantic Memory
11. Zeigarnic Effect



Readings:

1. Albert, D. (Eds.) (1994). *Knowledge Structures*. New York: Springer Verlag.
2. Baddeley, A.D. (1996). *Human Memory: Theory and Practice*. Washington, DC: Psychology Press.
3. Brown, J. (1976). *Recall and Recognition*. London: John Wiley.
4. Cohen, G. (1996). *Memory in the Real World*. Washington, DC: Psychology Press.
5. Evans, J.S.B., Newstead, S.E. & Byrne, R.M.J. (1993). *The Psychology of Deduction*. Washington, DC: Psychology Press.
6. Hanson, S.J. & Oldson, C.R. (Eds.) (1991). *Connectionist Modelling and Brain Function: The Developing Interface*. Cambridge, Mass: MIT Press.
7. Johnson-Laird, P.N., & Byrne, R.M.J. (1992). *Deduction*. Washington, DC: Psychology Press.
8. Lamberts, K. & Shanks, D. (1997). *Knowledge, Concepts, and Categories*. Washington, DC: Psychology Press.
9. Lycan, W.G. (1990). *Mind and Cognition*. Oxford: Blackwell.
10. Mayes, A. & Downes, J.J. (1997). *Theories of Amnesia*. Washington, DC: Psychology Press.

**PSY-PG -C102****Research Methods****Unit I: Introduction to Research Methods**

Scientific approach of research in psychology; Theory building, hypothetico-deductive model, hypothesis; Nature and types of research: Qualitative and quantitative; Paradigms to research: Positivism, interpretive and critical assumptions and perspectives. Ethical issues in psychological research.

Unit II: Research Planning and Non-Experimental Approaches of data collection

Meaning, characteristics, purpose and criteria of good research. Steps involved in scientific research. Survey research; Observation; Case study. Longitudinal, cross-sectional, cohort and panel design. Sampling: Meaning, purpose and types, probability and non-probability, sampling error; Factors influencing sampling decisions: Size, accessibility and cost.

Unit III: Experimental Designs

Conceptualization and operationalization, nature of variables, manipulation, control, notion of measurement and threats to valid measurement; Between groups designs: Equivalent groups, randomized groups, factorial (three factors); Within groups designs: Within subjects design, one-group repeated trial; Quasi experiment

Unit IV: Suggested assignments

Planning, conducting and report writing on a small research

Readings

1. Broota, K. D. (2006). *Experimental Designs in Behavioural Research*. New Delhi: New Age Publishers.
2. Heiman, G. W. (1995). *Research Methods in Psychology*. Boston: Houghton Mifflin Co.
3. Kerlinger, F. N (1983). *Foundations of Behavioural Research*. New Delhi: Surjeet Publications.
4. Shaughnessy, J. J., Zechmeister, E. B., & Zechmeister, J. S. (2012). *Research methods in psychology* (9th ed.). New York: McGraw Hill.
5. de Vasu, D. (2001). *Research design in social research*. London: Sage.
6. Schinka, J. A., & Velices, W. F. (2003). *Handbook of psychology: Research method in psychology*. New Jersey: John Wiley.
7. Woodworth, R. S. & Schlosberg, H. (1976). *Experimental psychology*. New York: Holt and Rinehart.
8. Edwards, A. L. (1968). *Experimental designs in psychological research, (3rd ed.)*. New Delhi: Oxford and IBH.

**PSY-PG-C103****Advanced Social Psychology****Unit I: Historical background and theoretical perspectives**

Growth of social psychology as a scientific discipline; Traditions of social psychology: Psychological, sociological, and applied; Culture and social psychology; Social psychology in India. Perspectives: Cognitive, psycho-dynamic, symbolic interactionism, social constructionism, sociobiology. Applications of social psychology.

Unit II: Social cognition and attitude

Social self, Person perception; Attribution; Biases, heuristics and shortcuts. Attitude: Structure and formation; Theories of attitude change; Attitude and behaviour; Persuasion, propaganda and brain washing; Stereotypes; Prejudice and discrimination.

Unit III: Interpersonal and Intergroup processes

Human relationship; Social comparison; Pro-social behaviour; Social aggression; Social motivation; Social emotions. Group formation, functions and group dynamics; Group identity and intergroup relationship; Ethnicity; Intergroup conflict and conflict resolution

Unit IV: Suggested assignment

An experiential report on an application of social psychology in society.

Readings:

1. Hogg, M. A. & Vaughan, G. M. (2011). *Social psychology* (6th ed.). Essex: Pearson Education.
2. Hogg, M. A. & Cooper, J. (Eds.) (2003). *The Sage handbook of social psychology*. London: Sage.
3. Gergen, K. J. (1985). The social constructionist movement in modern psychology. *American Psychologist*, 40, 266-275.
4. Hewit, J. P. (1979). *Self and society: A symbolic interactionist social psychology*. Boston: Allyn and Bacon.
5. Jowett, G. S. & O'Donnell, V. (1992). *Propaganda and persuasion*. New Delhi: Sage.
6. Farr, R. M. (1996). *The roots of modern social psychology*. Oxford: Blackwell.
7. Misra, G. (Ed.). 1990. *Applied social psychology in India*. New Delhi: Sage.
8. Pandey J. (Ed.) 1988. *Psychology in India: The state-of-the-art: Basic and Applied Social Psychology*. Vol. 2. New Delhi: Sage.
9. Pandey, J. & Singh P. (2005). Social psychology in India: Social roots and development. *International Journal of Psychology*, 40, 239-253.
10. Schneider, F.W., Gruman, J.A., & Coutts, L.M. (2012). *Applied social psychology* (2nd ed.). London: Sage.



PSY-PG-C104

Pattern and Growth of Personality

Unit I: Foundations of Personality

Definition and nature of personality; Methods of assessment of personality; Issues in conceptualization of personality and assessment; Application of personality psychology: school and workplace

Unit II: Classical, Trait and Biological Approaches

Freudian Tradition; Neo- Freudian; Ego psychology: Anna Freud and Eric Erikson

Introduction to Trait Approaches; Raymond Cattell; Big Five Factor: Agreements and Controversies

Personality, genes and environment; Biological theories: Hans Eysenk, Gray and Cloninger

Unit III: Learning, Cognitive and Humanistic Approaches

Learning Theories to Personality; Skinner

Bandura, Walter Mischel and Kelly

Foundations of Humanistic Approaches: Rogers; Rollo Rees May, Victor Frankl

Unit IV: Suggested Assignments

Report on any two personality tests: Administration of standardized personality tests and preparation of report on one Indian and one Foreign Personality Test

Readings:

1. Allport, G.W. (1961). *Pattern and growth in personality*. New York: Holt, Rinehart and Winston.
2. Cloninger, S.C. (2013). *Theories of personality: Understanding person (6th ed.)*. N.J: Prentice-Hall.
3. Corr, P. J. & Gerald Matthews, G. (2009). *The Cambridge handbook of personality psychology*. Cambridge: Cambridge University Press.
4. Feist, J., & Feist, G. J. (2006). *Theories of personality (6th Ed.)*. New York: McGraw-Hill.
5. Hall, C. S., Lindsey, G., & Campbell, J. B. (1998). *Theories of Personality*. New York: John Wiley & Sons.
6. Kline, P. (1983). *Personality Measurement and Theory*. London: Hutchinson.
7. London, H., & Exner, J. E. (1978). *Dimensions of Personality*. New York: John Wiley & Sons.
8. Maltby, J., Day, L., & Macaskill, A. (2013). *Personality, individual differences and intelligence (3rd Ed.)*. London: Pearson Education.
9. Olson, M., & Hergenhahn, B. R. (2011). *An introduction to theories of personality (8th Ed.)*. New York: Pearson.
10. Shultz, D.P. & Shultz, S. E. (2012). *Theories of personality*. Belmont, CA: Wadsworth, Cengage Learning.

**PSY-PG-C201****Motivation and Emotion****Unit I: Theories and Physiological Bases of Motivation and Emotion**

Relationship between motivation and emotion;

Theories of motivation: Murray, Atkinson, and McClelland;

Theories of emotion: James-Lange, Cannon-Bard, Schachter-Singer, Russel, Plutchik, Tomkins, Laterality and emotions; Muscle tension

Unit II: Positive and Negative Emotions

Depression: Conceptualization and its relation to health;

Anxiety and Stress: Identification and coping

Anger: state-trait model, Causes, and its relation to health

Positive emotions: Fredrickson's Broaden-and Build Theory of positive Emotions, Undoing effects of positive emotions (Fredrickson), Benefits of positive emotions (Fredrickson), Hope; Emotional intelligence (Mayer & Salovey, 1997): Issues in conceptualizing emotional intelligence.

Unit III: Cultural Approaches to Motivation and Emotion

Similarities in elicitation and manifestation of emotions across the cultures; Differences in elicitation and manifestation of emotions across the cultures; Affect valuation theory; Similarities in motivation across cultures; Differences in motivation across cultures.

Unit IV: Suggested Assignment

Report on any two psychological tests, one on motivation and one on emotion/Emotional Intelligence

Readings:

1. Buck, R. (1988). *Human motivation and emotion*. New York: John Wiley & Sons.
2. Fredrickson, B. (2001). The role of positive emotions in positive psychology: The Broaden-and-Build Theory of Positive Emotions. *American Psychologist*, 56, 218-226.
3. Fredrickson, B. L., Mancuso, R. A., Branigan, Ch., & Tugade, M. M. (2000). The undoing effect of positive emotions. *Motivation and Emotion*, 24, 237-258.
4. Fredrickson, B. L., Tugade, M. M., Waugh, C. E., & Larkin, G. R. (2003). What good are positive emotions in crises? A prospective study of resilience and emotions following the terrorist attacks on the United States on September 11th, 2001. *Journal of Personality and Social Psychology*, 84, 365-376.
5. Frijda, N. H. (1986). *The emotions*. London: Cambridge University Press.
6. Gelfand, M. J., Erez, M., & Aycan, Z. (2007). Cross-cultural organizational behavior. *Annual Review of Psychology*, 58, 479-514.



7. Mesquita, B., & Frijda, N. H. (1992). Cultural variations in emotions: A review. *Psychological Bulletin*, *112*, 179-204.
8. Misra, G. (Ed.) (1999). *Psychological perspectives on stress and health*. New Delhi: Concept Publishing House.
9. Salovey, P., & Sluyter, D. (Eds.) (1997). *Emotional development and emotional intelligence: Implications for educators*. New York: Basic Books.
10. Snyder, C. R. (Ed.) (1999). *Coping: The psychology of what works*. New York: Oxford University Press.
11. Tsai, J. L., Knutson, B., & Fung, H. H. (2006). Cultural variation in affect valuation. *Journal of Personality and Social Psychology*, *90*, 288-307.

**PSY-PG-C202: Psychological Testing and Statistical Applications****Unit I: Psychological testing**

Nature and scope of psychological test; Types and variation of psychological test: Speed vs. Power, parallel test; Ethics in testing.

Unit II: Construction and Standardization

Development of a psychological test; Test standardization: Reliability: types and factors affecting reliability; validity: types and factors affecting validity; norms: types and development

Unit III: Descriptive and inferential statistics

Descriptive statistics; Normal probability curve; Introduction to hypothesis testing; Significance level and effect size. Non-parametric tests: Mann Whitney, Median, Kruskal-Wallis; t-Tests; ANOVA: one way, factorial; Repeated ANOVA; linear regression; multiple regression; factor analysis. Introduction to statistical analysis using IBM SPSS.

Unit IV: Suggested assignments

Development of a psychological test (construction, screening, item analysis on the sample of 30)

Readings:

1. Anastasi, A. & Urbina, S. (1997). *Psychological testing*. New Delhi: Pearson Education.
2. Freeman, F. S. (1972). *Theory and practice of psychological testing*. New Delhi: Oxford & IBH.
3. Gregory, R. J. (2006). *Psychological testing: History, principles, and applications, 4th edition*. New Delhi: Pearson Education.
4. Kerlinger, F. N. (1973). *Foundations of Behavioural Research* (2nd edition). Delhi: Sanjeet Publications.
5. Siegel, S. & Castellon, N. J. (1988). *Non-parametric Statistics for the Behavioural Sciences* (2nd ed.). New York: McGraw Hill.
6. Gravetter, F. J. & Wallnau, L. B. (2013). *Statistics for the behavioral sciences* (9th ed.). Belmont, CA: Wadsworth, Cengage Learning.
7. Aron, A. Coups, E. J., & Aron, E. N. (2013). *Statistics for psychology* (6th ed.). Delhi: Pearson Education.
8. Field, A. (2013). *Discovering statistics using IBM SPSS statistics* (4th ed.). London: Sage.



PSY-PG-C203

Positive Psychology: Research and Applications

Unit I: Introduction to Positive Psychology

History and conceptualization of positive psychology;

Eastern and Western perspectives on positive psychology;

Classification and measurements of psychological strengths

Unit II: Positive Psychology in Context and Prosocial Behaviour

Positive youth development; Spirituality; Successful aging; Resilience; Gratitude; Forgiveness; Happiness and subjective wellbeing; Wisdom; Optimism; Courage; Flow

Unit III: Research and Applications

Research Paradigms: Indian and Western; Different researches;

Applications: individual, group and organizational level

Unit IV: Suggested Assignments

One of the following

-Report on life enhancement strategy activity on any of the topics in the above units.

-Administration of standardized scales and preparing report on any of the topics in the above units.

Readings:

1. Lopez, S. J., Pedrotti, J. T., & Snyder, C. R. (2015). Positive Psychology. New Delhi: Sage
2. Carr, A. (2004). Positive Psychology: A science of happiness and human strengths. NY: BR Publishers.
3. Peterson C. (2006). A Primer in Positive Psychology. Oxford: Oxford University Press.
4. Crothers, M.K., & Baumgardner, S. R. (2009). Positive Psychology. New Delhi: Pearson Education.
5. Hefferon, K. & Boniwell, I. (2011). Positive psychology: Theory, research and applications. Open University Press.
6. Kumar, S., & Yadav, S.B. (2011). Positive Psychology. New Delhi: Global Vision Publication House.
7. Lopez, S. J. (Ed) (2013). The encyclopedia of positive psychology. London: Blackwell Publishing Ltd.
8. Snyder, C.R., & Lopez, S.J. (2011). Positive psychology. (2nd ed.) New Delhi: Sage Publications.
9. Yadava, A., & Sharma, N.R. (2006). Positive health psychology. New Delhi: Global Vision Publication House.
10. Nelson, D., & Cooper, C. L. (2007). Positive organizational behavior. Thousand Oaks, California: Pine Forge Press.
11. Luthans, F., & Avolio, B. J. (2009). The “point” of positive organizational behavior. *Journal of Organizational Behavior*, 30, 291–307.
12. Seligman, M. E. P. (2000). Positive psychology: An introduction. *American Psychologist*, 55, 5-14

**PSY-PG-C204****Cultural Psychology****Unit I: Philosophical Antecedents**

Cultural Psychology definition and meaning; Platonism, positivism, relativism, historicism; Methods of cross-cultural research; Cultural Narratives; Methodological Issues

Unit II: Socialization & Development; Cultural Learning

Attribution; Notions of Individuality and relatedness; Intergroup Behaviour

Cultural Ideals; Acculturation, Enculturation and Socialization; Child Rearing, parenting and family in Indian setting; Play, use of symbols and communication

Unit III: Cognitive and Intellectual Processes

Notion of g and s; Genetic epistemology; Cultural factors in memory and information processing; Ability testing; Emotional Intelligence; Metacognition; Theories of mind and metacognition

Unit IV: Suggestive Assignment

Report on cultural influences on parenting in personal local setting; identification of cultural ideals

Readings

1. Berry, J.W., Poortinga, Y.H., & Pandey, J. (Eds.) (1997). *Handbook of cross-cultural psychology*. (Vol.1). Boston: Allyn & Bacon.
2. Berry, J.W., Poortinga, Y.H., Segall, M.H., & Dasen, P.R. (1992). *Cross-cultural psychology: Research and applications*. Cambridge: Cambridge University Press.
3. Berry, J.W., Segall, M.H., & Kagitcibasi, C. (1997). *Handbook of cross-cultural psychology*. (Vol.3). Boston: Allyn & Bacon.
4. Geertz, C. (1973). *The interpretation of cultures*. New York, NY: Basic books.
5. Gergen, K.J., Glurce, A., Lock, A. & Misra, G. (1996). Psychological science in cultural context. *American Psychologist*, 51, 496-503.
6. Goldberger, N.R. & Veroff, J.B. (Eds.) (1995). *The culture and psychology reader*. New York, NY: New York University Press.
7. Kakar, S. (1997). *Culture and psyche*. Delhi: Oxford University Press.
8. Greenfield, P. M. (1997). You can't take it with you: Why ability assessments don't cross cultures. *American Psychologist*, 52, 1115-1124.
9. Heine, S. (2007). *Cultural Psychology*. NY: W. W. Norton
10. Kim, H.S., Sherman, D. K., & Taylor, S. E. (2008). Culture and social support. *American Psychologist*, 63, 518-526.



PSY-PG-C301

Qualitative Methods

Unit I: Paradigms of Research: Qualitative Traditions

Introduction to qualitative research, Logical Positivism, Social Construction; Subjectivity, Reflexivity, Power.

Unit II: Field Methods

Grounded Theory, Ethnography, Observation, Interview, and Cooperative Inquiry,

Focus Group Method, Phenomenological analysis, Thematic Analysis and Narrative Analysis, Conversational Analysis.

Unit III: Issues in qualitative methods

Reliability and Validity, Mixed methods, Ethical Considerations in qualitative research; qualitative report writing.

Unit IV: Suggestive Assignment:

One research report based on qualitative method.

Readings:

1. Agnew, N. M., & Sandra. W., Pyke, S. W. (1991). *The Science Game: An Introduction to Research in the Social Sciences*. New Jersey: Prentice Hall.
2. Czrniawska, B. (2004). *Narratives in Social Science Research*. New Delhi: Sage.
3. Denzian, N. K. & Y. S. Lincoln. *Handbook of Qualitative Research Method*. London: Sage.
4. Gobo, G. (2008). *Doing Ethnography*. Los Angles: Sage.
5. Marshall, C. & Rossman, C.B. (1995). *Designing qualitative research*. Thousand Oaks, CA: Sage.
6. Newman. P. (1991). *Research methodology in social sciences*. Massachusetts: Allyn and Becon.
7. Riecoeur, P. (2004). *The conflict of interpretations*. London: Continuum.
8. Smith, J. A. (2008). *Qualitative psychology: A practical guide to research methods*. London: Sage.
9. Ziman, J. (1996). *The force of knowledge: The scientific dimension of society*. Cambridge: Cambridge University Press.
10. Gravetter, F. J. & Wallnau, L. B. (2013). *Statistics for the behavioral sciences* (9th ed.). Belmont, CA: Wadsworth, Cengage Learning.

**PSY-PG-C302****Health Psychology****Unit I: Concept of Health**

Indicators: Medical and bio-psycho-social models of health; Cross-cultural perspectives on health; Main issues of health psychology and its social concerns; Social environment and health; Global health trends; Health care systems; Socio-economic factors in health; Gender and health

Unit II: Perspectives on Health Psychology

General and chronic health problems; Causal explanations and oral discourse; Health belief systems and models; Western and Eastern perspectives on health

Unit III: Stress, Burnout, Health and Its Management

Stress: Stress as stimulus and response; Interaction model of stress; Stress born health problems;

Burnout: nature, determinants and management

Health: Food, alcohol and drug consumption; Smoking and sexual behaviours; Management of health problems: Preventive, promotive and curative aspects of health; Choice of medicinal systems and patient-doctor relationship; Changing health behaviour

Unit IV: Suggestive Assignments

Case study report based on one health parameter

Readings:

1. Baum, A. Gatchel, R.J., & Krantz, D.S. (1997). An introduction to health psychology. New York: McGraw Hill.
2. Baum, A. Revenson, T.A., & Singer, J.E. (2001). Handbook of health psychology. Mahwah, N.J.: Lawrence Erlbaum.
3. Brannon, L. & Feist, J. (2007). Introduction to health psychology. Singapore: Thomson Wadsworth.
4. Dimatteo, M.R., & Martin, L.R. (2002). Health psychology. Boston: Allyn & Bacon.
5. Marks, D., Murray, M., Evans, B., & Willig, C. (2000). Health psychology : Theory, research and practice. New Delhi: Sage.
6. Ogden, J. (2004). Health psychology: A text book. (3rd ed.). Buckingham: Open University Press.
7. Radley, M. (1994). Health psychology: Bio-psycho-social interaction. New York: John Wiley.
8. Sarafino, E. P. (1999). Health Psychology. John Wiley & Sons.
9. Taylor, S.E. (1994). Health psychology. New York: Random House.



PSY-PG-O303

Work and Organizational Psychology

Unit 1: Introduction to Organizational Psychology

Scope of Organizational Psychology

Contemporary issues and Challenges of Organizational Psychology

Brief introduction to Organizational Behaviour, Organizational Development, Employee counseling, engineering psychology, personnel psychology

Unit 2: Individual in Organization

Work-related attitudes

Motivation in organizations

Emotions and moods at workplace

Case studies on work-related attitudes, motivation, and emotions

Unit III: Groups and Leadership

Group at work, Team effectiveness, Cases on groups and teams

Nature of leadership, Trait approach to leadership, behavioral approach to leadership, situational approach to leadership, Cases on leadership

Unit IV: Organizational Culture

Meaning and nature of organizational culture (OC)

Effect of OC on work performance and behavior

Creating and sustaining culture

Organizational socialization

Creating a customer-responsive culture

Creating ethical organizational culture

Cases on organizational climate and culture

Readings:

1. DuBrin, A. J. (1998). *Leadership: Research Findings, practice and skills*. Chennai: All India Publishers & Distributors.
2. Burn, S.M. (2004). *Groups, theory and practice*. New Delhi: Thompson Wadsworth.
3. Spector, P. E. (2015). *Industrial and organizational psychology: Research and practice, (4th ed.)*. New Delhi: Wiley.



4. French, W. L. & Bell, C. (2007). *Organization development and transformation: Managing effective Change*. (6th ed.). New Delhi: Prentice Hall.
5. Yukl, G. A. (2005). *Leadership in Organizations*. (6th ed.). New York: Prentice Hall.
6. Harigopal, K. 2006. *Management of organizational change: leveraging transformation*. New Delhi: Sage.
7. Pareek, U. (2010). *Understanding organizational behaviour*. Oxford: Oxford University Press.
8. Greenberg, J. & Baron, R. A. (2010). *Behaviour in organizations*. New Delhi: PHI Learning.
9. Luthans, F. (2008). *Organizational Behaviour*. New Delhi: Tata McGraw- hill.
10. Robbins, S. P., & Sanghi, S. (2005). *Organizational behaviour* (11th ed.). New York: Pearson.



PSY-PG-O304

Clinical Psychology

Unit I: Understanding Clinical Psychology and Classification of Disorders

Introduction to clinical psychology, Ancient and Modern Perspectives, ICD and DSM

Unit II: Neuro Psychology

Advent to neuro-psychology, Normal and abnormal lobular functions, Hemispheric asymmetry, Neurological disorders: Vascular disorders, Traumatic head injury, epilepsy, Tumors, degenerative disorders: Alzheimer's disease, Huntington's chorea and Parkinson's disease. Neuro-psychological assessment and rehabilitation

Unit III: Schizophrenia, Mood Related, OCD and Anxiety Disorders

Schizophrenia, spectrum and other psychotic disorders: Schizophrenia, delusional disorder, brief psychotic disorder

Mood related disorders

Anxiety disorders: Separation Anxiety disorder, specific phobia, panic disorder, generalized anxiety disorder, Obsessive compulsive disorder, Stress related disorders, Dissociative disorders

Unit IV: Personality disorders, SUD, and Gender dysphoria

Paranoid PD, Narcissistic PD, Histrionic PD, OCPD, Antisocial PD; Substance Use Disorders:

Alcohol, Cannabis, Inhalants, Opioids, Sedatives, Hypnotics; Gender dysphoria.

Readings:

1. Corsini, R.J. & Wedding, D. (Eds.) (1995). *Current Psychotherapies*. Ithaca, Ill.:
2. Greenberg, Gary. (1994). *The Self on the Shelf: Recovery Books and the Good Life*. SUNY Press.
3. Kakar, S. (1991). *Shamans, Mystics and Doctors: A Psychological Inquiry into India and its Healing Traditions*. Chicago: University of Chicago Press.
4. Kaplan, H. I. & Benjamin J. Sadock. (2009). *Comprehensive Textbook of Psychiatry*. Baltimore: Williams & Wilkins.
5. Kendall. (1980). *Modern Clinical Psychology*. NY: Willey.
6. Kolb. L.C. & Brodie, H.K.H. (1982). *Modern Clinical Psychiatry*. (10th Ed.). London: Saunders.
7. Korchin, S.J. (1975). *Modern Clinical Psychology*. NY:Basic Books.
8. Pomerantz, A.M. (2008). *Clinical Psychology: Science, Practice, and Culture*. Los Angles: Sage.
9. Richard, D. & Huprich, S. (2009). *Clinical Psychology: Assessment, Treatment and Research*. NY: Academic Press.
10. Wolberg, L.R. (1988). *The Techniques of Psychotherapy (Vol. 1 & 2)*. London: Jason Aronson Inc. Wolman, B.B. (1965). *Handbook of clinical Psychology*, New York: Mc Graw Hill.

**PSY-PG- 0305****Social Cognition and Social Behaviour****Unit I: Social cognition and self**

Basics of social cognition; Social brain; Neuro-social psychology; Social experimentation.

Knowledge of self; Possible selves; Self-esteem; Self-serving bias; Self-discrepancy.

Unit II: Socially situated cognition

Social inferences; Attribution in close relations; Heuristics and shortcuts- efficiency in inference and decision-making; Counterfactual thinking; Accuracy and efficiency in social inference. Attitude and behavior; Cognitive structure of attitude; Implicit measures of attitude; Judgment and choice; Culture, language and social cognition.

Unit III: Interpersonal relation and social motivation

Interpersonal circumplex, friendship, romantic relationship, virtual relations. Attachment theory and research. Social needs; Interpersonal aggression; Helping behaviour and altruism; Empathy. Emotions and social context; Emotional reaction in relationship.

Unit IV: Social influence and power

Current trends in social influence, Social impact theory; Power and politics; Contemporary theories of leadership, leadership effectiveness; Social comparison.

Readings

1. Fisk, S. T. & Taylor, S. E. (2013). *Social cognition: From brain to culture*. London: Sage.
2. Moskowitz, G. B. (Ed.) (1998). *Cognitive social psychology: The Princeton symposium on the legacy and future of social cognition*. Mahwah, NJ: Lawrence Erlbaum.
3. Fiske, S. T. & Macrae, C. N. (2012). *The SAGE handbook of social cognition*. London: Sage
4. Adolphs, R. (2009). The social brain: Neural basis of social knowledge. *Annual Review of Psychology*, 60, 693-716.
5. Semin, G. R. (2001). Language and Social Cognition. In Tesser A., and Schwarz, N. (Eds.), *Blackwell handbook of social psychology: Individual processes* (pp. 159-180). Oxford: Blackwell.
6. Macrae, C. N., & Bodenhausen, G. V. (2000). Social cognition: Thinking categorically about others. *Annual Review of Psychology*, 51, 93-120.
7. Kitayama, S., & Uskul, A. K. (2011). Culture, mind, and the brain: Current evidence and future directions. *Annual Review of Psychology*, 62, 419-449.
8. Fletcher, G., & Clark, M. S. (2002). *Blackwell handbook of social psychology: Interpersonal processes*. Oxford: Blackwell.
9. Festinger, L. (1954). A theory of social comparison processes. *Human Relations*, 7, 117-140.
10. Cialdini, R. B., & Goldstein, N. J. (2004). Social influence: Compliance and conformity. *Annual Review of Psychology*, 55, 591-621.



PSY-PG-O306

Educational Psychology

Unit I: Tenants of Educational Psychology

Educational Psychology; Education and Schooling; Educational Psychology and Teachers; Contributions of Psychology to education.

Unit II: Individual differences and Its Applications

Theories and Applications. Behavioural and Social Views of Learning, Constructivist Approach; Cognitive Learning; Metacognition and Constructivism. Piaget and Vygotsky Motivation: Expectancy, Intrinsic Motivation, Competence & Self-Efficacy. Theories of Emotion

Personality Theories to Education

Unit III: Language, Intelligence and Creativity Language Acquisition and Reading Theories of Intelligence

Understanding Creativity and Critical Thinking; Theories of Creativity; Creative thinking strategies;

Unit IV: Effective Teaching, Classroom Management and Assessment

Planning and Setting Objectives for Teaching; Characteristics of effective teachers; Teaching methods; Ecology of classroom, Social Psychology of Classroom, Classroom Management, Disciplining and Communication. Teaching Small Groups

Measurement and Evaluation; Test Scores; Standardized Test; Classroom Assessment Grading.

Diversity/ Cultural Differences and Assessment.

Readings:

1. Alter, J. B. (1991). Experiencing creating and creativity in the classroom. *Journal of Creative Behaviour*, 25(2), 162-168.
2. Barell, J. (1991). *Teaching for thoughtfulness: Classroom strategies to enhance intellectual development*. New York, NY: Longman
3. Farrell, M. (2009). *Foundations of special education: An Introduction*. West Sussex: Wiley Blackwell.
4. Gage, N.L. & Berliner, C. (1998). *Educational Psychology*. Wadsworth Publishers.
5. Lefrancois, G. R. (2011). *Psychological theories and human learning: What the old man said*. CA: Wadsworth.
6. Mohanty, A.K., & Misra, G. (Eds.) (2000). *Psychology of Poverty and Disadvantage*. New Delhi: Concept.
7. Panda, K.C. (1999). *Disadvantaged Children-Theory, Research and Educational Perspectives*. New Delhi.
8. Parsons, R., Stephanie, L., & Debbie, Sardo-Brown (2001). *Educational Psychology*. Wadsworth.
9. Woolfolk, A. (2017). *Educational Psychology, 12th Edition*. Ohio: Allyn& Bacon Publishers.
10. Woolfolk, A. (2010). *Instructor's copy of Educational Psychology*. New Jersey: Pearson.



Suggested activities:

Report on any two of the followings:

- 1) Develop a case study on job satisfaction
- 2) Develop a case study on organizational commitment
- 3) Develop a case study on employee motivation
- 4) Develop a case study on application of emotion and moods at work
- 5) Develop a case study importance of organizational culture
- 6) Develop a case illustration on leadership theory relevant to trait approach to leadership.
- 7) Develop a case illustration on leadership theory relevant to behavioral approach to leadership.
- 8) Develop a case illustration on leadership theory relevant to situational approach to leadership.

Readings:

1. Greenberg, J., & Baron, R. A. (2010). *Behaviour in organizations*. New Delhi: PHI Learning.
2. Luthans, F. (2008). *Organizational Behaviour*. New Delhi: McGraw- hill.
3. Robbins, S. P., & Sanghi, S. (2005). *Organizational Behaviour* (11th Edition). New York: Pearson Publication.
4. Saal, F. E., & Knight. P. A. (1995). *Industrial / Organizational Psychology*. Pacific Grove California: Brooks/ Cole Publishing company Pacific Grove.
5. DuBrin, A. J. (1998). *Leadership: Research Findings, Practice and Skills*. Chennai: All India Publishers & Distributors.
6. Burn, S.M. (2004). *Groups, Theory and Practice*. New Delhi: Thomson Wadsworth.
7. Forsyth, D. R. (2006). *Group Dynamics*. 4th Edition. New Delhi: Thomson Wadsworth.
8. French, W. L. & Bell, C. (2007). *Organization Development and Transformation: Managing Effective Change*. 6th Edition. New Delhi: Prentice Hall.
9. Yukl, G. A. (2005). *Leadership in Organizations*. 6th Edition. New York: Prentice Hall.
10. Pareek, U.(2010). *Understanding organizational behaviour*. Oxford: Oxford University Press.
11. Chadha, N.K. (2007) *Organizational Behavior*. Galgotia Publishers: New Delhi.



PSY-PG-O308

Clinical Psychology Practicum I

Any Two of the following:

1. Case formulation with History taking, MSE and clinical interviewing
2. Rorschach Test (1 normal and 1 clinical case)
3. T.A.T. / C.A.T. (1 normal and 1 clinical case)
4. MMPI (1 normal and 1 clinical case)
5. Case studies (1 normal and 1 clinical case)
6. Raven's Progressive Matrices (All three forms)
7. Measurement of anxiety (2 cases)
8. Measurement of psychotic symptoms (2 cases)
9. Study of ADHD (1 case)
10. Assessment of intellectual disability using verbal and performance intelligence tests (2 cases)
11. PGI Memory Scale /WMS (1 case)

Readings:

1. Anastasi, A., & Urbina, S. (2005). *Psychological Testing*. (7th ed.). New Delhi: Pearson Education.
2. Kahn, T. G. & Giffen, M. B. (1960). *Psychological techniques in diagnosis and evaluation*. Oxford: Pergamon Press.
3. Cronbach L. J. (1984). *Essentials of Psychological Testing* (4th ed.). New York: Harper
4. Cullari, S. (Ed.) (1998). *Foundations of clinical psychology*. Boston: Allyn & Bacon.
5. Freeman, F.S. (1965). *Psychological Testing* (3rd ed.). New Delhi: Oxford & IBH.
6. Gregory, R. J. (2005). *Psychological testing: History, principles and applications*, New Delhi: Pearson Education.
7. Murphy, K. R., Davidshofer, R. K. (1998). *Psychological testing: Principles and applications*. New Jersey: Prentice Hall
8. Neitzel, M.T., Bernstein, D.A., & Millich, R. (1998). *Introduction to clinical psychology*. (5th ed.). New Jersey: Prentice Hall.
9. Singh, A. K. (2006). *Tests, neasurements and research methods in behavioural sciences*. Patna: Bharati Bhavan.
10. Wolman, B.B. (1978). *Clinical diagnosis of mental disorders: A handbook*. New York: Plenum.



PSY-PG-O309

Social Psychology Practicum I

Designing and conducting two experiments on the topics from the following list

1. Attribution
2. Self
3. Counterfactual thinking
4. Decision making
5. Moral judgment
6. Social comparison
7. Helping behavior
8. Compliance
9. Conformity
10. Attitude change

Readings

1. Fiske, S. T. & Taylor, S. E. (2013). *Social cognition: From brain to culture*. London: Sage.
2. Moskowitz, G. B. (Ed.) (1998). *Cognitive social psychology: The Princeton symposium on the legacy and future of social cognition*. Mahwah, NJ: Lawrence Erlbaum.
3. Fiske, S. T. & Macrae, C. N. (2012). *The SAGE handbook of social cognition*. London: Sage
4. Fletcher, G., & Clark, M. S. (2002). *Blackwell handbook of social psychology: Interpersonal processes*. Oxford: Blackwell.
5. Festinger, L. (1954). A theory of social comparison processes. *Human Relations*, 7, 117-140.
6. Cialdini, R. B., & Goldstein, N. J. (2004). Social influence: Compliance and conformity. *Annual Review of Psychology*, 55, 591-621.
7. Woodworth, R. S. & Schlosberg, H. (1976). *Experimental psychology*. New York: Holt and Rinehart.
8. Edwards, A. L. (1968). *Experimental designs in psychological research (3rd ed.)*. New Delhi: Oxford and IBH.



PSY-PG-O310

Educational Psychology Practicum-I

Suggested Activities

Report on any two of the followings

1. Assessment of various modes of communication in the classroom
2. Measuring Teaching and learning styles
3. Identifying issues in students' assessment
4. Measuring psychological attributes e.g. personality and teaching methods; learning styles; motivation for teaching and learning, emotion in education
5. Teacher-student relationship
6. Education, evaluation, pedagogy
7. Case study of a school child with ADHD/Dyslexia/LD/Problem behaviour.
8. Children's learning problems (underachievement/LD/MR etc)
9. Assessment of meta-cognition (meta-memory, reading awareness)

Readings:

1. Anastasi, A., & Urbina, S. (2005). *Psychological Testing (7th ed.)*. New Delhi: Pearson Education.
2. Erickson. H. L. (1998). *Concept based curriculum instruction: Teaching beyond the facts*. California: Crown Press.
3. Gregory, R.J. (2005). *Psychological testing: History, principles and applications*. New Delhi: Pearson Education.
4. Jensen, E. (2009). *Teaching with poverty in mind: What being poor does to kids' brains and what schools can do about it*. USA: ASCD Publications.
5. Maclean, J., E. (1994). *Improving Education through Action Research: A Guide for Administration and Teachers*. California: Crown Press.
6. NCERT (2005). *National Curriculum Framework*. New Delhi: NCERT
7. Cronbach L.J. (1970). *Essentials of Psychological Testing*. New York: Harper and Row Publisher.
8. Edwards, A.L. (1975). *Techniques of Attitude Scale Construction*. Bombay: Ferfter & Semens, Pvt Ltd.
9. Harper (Jr.), A.F & Harper, E.S (1990). *Preparing Objective Examination: A Handbook for Teachers, Students and Examiners*. New Delhi: Prentice Hall.
10. Linn, R. L. (2000). *Measurement and Assessment in Teaching*. New Delhi: Pearson Education, Inc.

**PSY-PG-O401****Human Resource Management****Unit I: Introduction to Human Resource Management**

Human resources Management (HRM), Introduction and Importance, Evolution, difference between Personnel Management and HRM- Strategic HRM- role of a HR Manager. Human Resource, Major functions of HRM, Principles of HRM, Role of HR Manager.

Unit II: Human Resources Planning

Objectives and importance of human resource planning; Job Analysis: Meaning, process of Job Analysis, methods of collecting job analysis data, Job Description and Job Specification; Job analysis-Job Description-Job Specification. Recruitment and selection, Sources of Recruitment, Selection Process, Placement and Induction, Retention of Employees.

Unit III: Training and Development

Objectives and needs of training and development, training process, methods of training, tools and aids-evaluation of training programs, Career Planning- Succession Planning

Unit IV: Performance Appraisal

Performance Management System-Definition, Concepts and Ethics-Different methods of Performance Appraisal. Compensation Management –Concepts and Components-Job Evaluation- Incentives and Benefits.

Readings

1. Agarwala, T. (2007). *Strategic human resource management*. New Delhi: Oxford University Press.
2. Dessler, G., & Varkkey, B. (2012). *Human resources management*. New Delhi: Pearson.
3. Lynton, R. P., & Pareek, U. (2011). *Training for development*. New Delhi: Sage.
4. Pande, Sh., & Basak, S. (2015). *Human resource management: Texts and cases*. Noida: Vikas Publishing House.
5. Rao, V. S. P. (2005). *Human resource management: Text and cases*. New Delhi: Excel Books.
6. Burn, S.M. (2004). *Groups, Theory and Practice*. New Delhi: Thomson Wadsworth.
7. Forsyth, D. R. (2006). *Group Dynamics*. (4th ed.). New Delhi: Thomson Wadsworth.
8. French, W. L. & Bell, C. (2007). *Organization Development and Transformation: Managing Effective Change*. (6th ed.). New Delhi: Prentice Hall.

**PSY-PG-O402****Psychotherapeutic Interventions****Unit I: Nature of Specific Therapeutic Variables**

The client and the therapist, client- therapist relationship; features common to therapies. Course of therapeutic intervention: initial contact, assessment, goals of treatment, implementing treatment, termination, evaluation, and follow-up.

Psycho-pharmacology and psychotherapy.

Ethics in psychotherapy.

Unit II: Psychoanalytic Therapy

Goals and assumptions; Steps; Therapeutic techniques - Free association, analysis of dreams, analysis of resistance, transference, confrontation and clarification, interpretation and working through; Role of maintaining analytic framework. Object-relations; Brief Dynamic Therapies

Unit III: Phenomenological, Humanistic and Existential Psychotherapy

Client-centered therapy; origins, theoretical propositions, therapeutic process, diagnosis and applications; Gestalt therapy; Existential therapy

Unit IV: Behavioral, Cognitive and Interpersonal Perspective

Behaviour Modification: Origins, Techniques - Systematic desensitization, Exposure therapy, Modeling, behavioural rehearsal, Contingency management, Aversion therapy; Behaviour modification techniques with children.

Cognitive Behaviour Therapy- Ellis' and Beck's approach. Mindfulness Therapy. Group, Family, Couples and Sex therapies

Readings:

1. Aponte, J.F. (Ed); Rivers, R.Y. (Eds.). Wohl, Julian (Ed). (1995). Psychological interventions and cultural diversity. Needham Heights, MA, US: Allyn & Bacon.
2. Arthur, E. et al. (2014). The Complete Adult Psychotherapy Treatment Planner (5th ed.), Wiley.
3. Arthur, E. et al. (2014). The Adolescent Psychotherapy Treatment Planner (5th ed.), Wiley.
4. Beck, J. S. (2011). Cognitive Behaviour Therapy (2nd ed.), Guilford Press, London.
5. Corey, G. (2009). Theory and practice of counselling and psychotherapy. (8th ed). Belmont, C.A: Brooks/ Cole.
6. Corey, Gerald. 2000. Theory and Practice of Counselling and Psychotherapy.
7. Culari, S. (1998). (Ed.) Foundations of clinical psychology. New York: Allyn & Bacon.
8. Neitzel, M.T., Bernstein, D.A. & Millich, R. (1998). Introduction to clinical psychology (5th Ed). Upper Saddle River, New Jersey: Prentice Hall.
9. Page, A.C. & Stritzke, W.G.K. (2006). Clinical Psychology for trainees: Foundations of science informed practice. New York: Cambridge University Press.
10. Planate, T.J. (2005). Contemporary clinical psychology. New Jersey: John Wiley & Sons.

**PSY-PG-O403****Applied Social Psychology****Unit I: Social justice and equality**

Basic justice principle- need, equality, and equity; Distributive and procedural justice; Inequalities- Concepts and sources, economic inequality, social inequality- caste based, region based, gender based, religion based; and Psychological inequalities- perceived and relative inequality; Deprivation- relative and prolonged deprivation; Social exclusion and inclusion.

Unit II: Political behavior and psychology of law

Political behavior; Election campaign and voting choice; Public opinion; Political decision making.

Criminal behavior, Investigation of crime; Eyewitness testimony, Evaluating witness statements; Psychology in the courtroom.

Unit III: Consumer behavior and Cyber psychology

Introduction to consumer psychology; Consumer information processing; Motivation, affect and consumer decision; Social marketing; Brand value; Products, preferences, places, and people. Cyber psychology, man-machine interface; Social psychology of digital words and social media; Media psychology.

Unit IV: Contemporary social issues

Terrorism; Violence against females; Migration- forced and volunteer, psychological implication of migration; Corruption and transparency; Environmental issue.

Readings

1. Schneider, F.W., Gruman, J.A., & Coutts, L.M. (2012). *Applied social psychology* (2nd ed.). London: Sage.
2. Martin, P. R., Cheung, F.M., Knowles, M.C., Kyrios, M., Littlefield, L., Overmier, J.B. & Prieto, J.M. (Eds.) (2011). *IAAP handbook of applied psychology*. West Sussex: Wiley.
3. Major, B., & O'Brien, L. T. (2005). The social psychology of stigma. *Annual Review of Psychology*, *56*, 393-421.
4. Tyler, T. R. (2006). Psychological perspectives on legitimacy and legitimation. *Annual Review of Psychology*, *57*, 375-400.
5. Crenshaw, M. (2000). The psychology of terrorism: An agenda for the 21st century. *Political Psychology*, *21*, 405-420.
6. Haugtvedt, C. P., Herr, P., & Kardes, F. (Eds.). (2012). *Handbook of consumer psychology*. New York: Psychology Press.
7. Suedfeld, P., & Steel, G. D. (2000). The environmental psychology of capsule habitats. *Annual Review of Psychology*, *51*, 227-253.
8. Burt, R. S., Kilduff, M., & Tasselli, S. (2013). Social network analysis: Foundations and frontiers on advantage. *Annual Review of Psychology*, *64*, 527-547.
9. Jost, J. T., Federico, C. M., & Napier, J. L. (2009). Political ideology: Its structure, functions, and elective affinities. *Annual Review of Psychology*, *60*, 307-337.
10. Graber, D. (2004). Mediated politics and citizenship in the twenty-first century. *Annual Review of Psychology*, *55*, 545-571.



PSY-PG-O404

Diversity and Exceptional Children in Education

Unit I: Diversity in context of school

Nature and Concept of Human Diversity: Celebrating Uniqueness; Social and Cultural Diversity; Role of School and strategies to deal with the differences and diversity

Unit II: Children with Special Needs

Need for recognizing individual difference; various approaches to defining and understanding disability –Types of disability and Rights of disabled children. Role of School, family and community

Special Education Programmes and Policies

Unit III: Gifted and Intellectually Challenged Children

Definition, Classification, Characteristics, Causes, Prevalence, Techniques of identification and assessment, Special educational programmes and policies

Gifted Children: Definition, Characteristics, Causes, Identification, Special education and training. Intellectually Challenged

Unit IV: Children with Speech and Language Disorders

Definition, Classification, Characteristics, Causes, Techniques of identification and assessment, Remedial and Special educational programmes. Children with Learning Disabilities

Readings:

1. Barell, J. (1991). *Teaching for thoughtfulness: Classroom strategies to enhance intellectual development*. NY: Longman.
2. Chauhan, S.S (1987). *Education of Exceptional Children*. New Delhi: Indus Publishing Company.
3. Farrell, M. (2009). *Foundations of special education: An Introduction*. West Sussex: Wiley Blackwell.
4. Ghai, A. (2015). *Rethinking Disability in India*. India: Routledge. Ghai, A. (2010).
5. *Psychology of Disabled in G.Misra (Ed.) Psychology in India: Advances in research*. New Delhi: Pearson education.
6. Kirik, S.&Gallagher (1979). *Education of the Exceptional Children*. New Delhi: Oxford IBH.
7. Laycock, S.R. (1957). *Gifted Children*. Toronto: Copp Clark Publishers.
8. Bruer, A.M &Shea, M. (1989). *Teaching Exceptional Student in your Classroom*. London: Allyn & Bacon.
9. Harper (Jr.), A.F & Harper, E.S (1990). *Preparing Objective Examination: A Handbook for Teachers, Students and Examiners*. New Delhi: Prentice Hall.
10. Parsons, R., Stephanie, L., & Debbie, Sardo-Brown (2001). *Educational Psychology*. Wadsworth.
11. Woolfolk, A. (2017). *Educational Psychology, 12th Edition*. Ohio: Allyn& Bacon Publishers.



PSY-PG-O405

Organizational Development

Unit I: Introduction

The Field of Organization Development (OD)

Definitions of OD

A History of OD

Values, Assumptions, and Beliefs in OD

Unit II: Theory and Management of OD

Foundations of OD

Managing the OD Process

Action Research and OD

Unit III: OD INTERVENTIONS-I

An Overview of OD Interventions.

Team Interventions.

Intergroup and Third-Party Peacemaking Interventions.

Unit IV: OD INTERVENTIONS-II

Comprehensive OD Interventions.

Structural Interventions and the Applicability of OD.

Readings:

1. French, W. L., & Bell, C. (2007). *Organization Development and Transformation: Managing Effective Change*. 6th Edition. New Delhi: Prentice Hall.
2. Harigopal, K. (2006). *Management of Organizational Change: Leveraging Transformation*. New Delhi: Sage Publications.
3. Harvey, D., & Brown, D. R. (2005). *An Experiential Approach to Organization Development*. 6th Edition. New Delhi: Prentice Hall.
4. Hill, A. T., Lewis, P., Saunders, M., & Millmore, M. (2005). *Managing Change: A Human Resource Strategy Approach*. New Jersey: Wiley Publishers.
5. Sethi, V., & King, W. (1998). *Organizational Transformation through Business Process Reengineering: Applying Lessons Learned*. New York: Pearson Education.
6. Spector, P. E. (2015). *Industrial and Organizational Psychology: Research and Practice, 4th Edition*. New Delhi: Wiley.
7. Miner, J. B. (1991). *Industrial-Organizational Psychology*. New Delhi: Tata McGraw-Hill.
8. McShane, S., & Von Glinow, M. A. (2005). *Organizational Behavior* (3rd edn.). N. Delhi: Tata McGraw-Hill.
9. Hitt, M., Miller, Ch., & Colella, A. (2006). *Organizational Behavior*. N. Delhi: Wiley.

**PSY-PG-O406****Community Mental Health****Unit I: Mental Health and Illness**

Concept of positive mental health; Psychological wellbeing; Mental health and illness; Attitude towards mental illness; Promotion of mental health and rehabilitation of the mentally ill or handicapped, Socially disadvantaged; Training of Clinical Psychologists and related issues; Role and function of Clinical Psychologists in community mental health/ rehabilitation programme, Indian Mental Health Bill 2017.

Unit II: Psychosocial Aspects of Mental Health and Illness

The role of self-concept, Self-image and self-perception in the development of behavior; Social skill and interpersonal models of mental health/illness.

Social Pathology: Crime and delinquency, suicide, addictive behavior, social aggression with special reference to Indian context.

Unit III: Culture, Mental Illness and Role of Family

Social class, Social change, Culture shock, migration, religion and gender related issues; Role of family in mental health and illness; Communication problems and emotional adaptation/ mal-adaptation in family set-up; Stress-burden/mental illness among care-givers in the family

Unit IV: Disability and Rehabilitation

Psychosocial aspects of disability and rehabilitation (PWD Act)

Role of family and society in the education, training and rehabilitation of disabled.

Readings:

1. Abrahamsen, D. (1960). *The Psychology of Crime*. New York: John Wiley & Sons, Inc.
2. Atkinson, J. (2007). *Advance Directives in Mental Health: Theory, Practice and Ethics*. Jessica Kingsley Publishers.
3. Brannon, L. & Feist, F. (2007). *Introduction to Health Psychology*. Cengage Learning, New Delhi.
4. Heinemann, A. (2005). (ed) *Handbook of Applied Disability and Rehabilitation Research*. Springer Publishing Company.
5. Kramer, G. et al. (2008). *Introduction to Clinical Psychology*. Pearson.
6. Lefley, H. P. (2006). *Family Care giving in Mental Illness*. Sage.
7. Lemert, M. Edwin. (1951). *Social Pathology: A Systematic Approach to the Theory of Sociopathic Behavior*. New York: McGraw-Hill.
8. Mane P. & Gandevia K. (1994). *Mental Health in India Issues and Concerns*. Mumbai: Tata Institute of Social Sciences.
9. Scheid, L T. (2008). *Mental Health*. Routledge.
10. Shepherd, Michael et al. (1971). *Childhood Behaviour and Mental Health*. London: University Press.

**PSY-PG-O407****Group and Inter-group Processes****Unit I: Theoretical perspectives**

Theory of communal relationship, Theory of cooperation competition, Theory of individualism and collectivism, Interdependence theory, The focus theory of normative conduct, Terror management theory, Social dominance theory, Social representation theory, self-categorization theory.

Unit II: Group processes

Group structure and function, Task performance, Collective choice judgment and problem solving, Social Status in group, Group Socialization, Conformity and Independence in Groups, Negotiation.

Unit III: Stereotype, prejudice and discrimination

Stereotype- kinds and measurement of stereotype, contact theory, stereotype threats; Prejudice-nature and components, acquisition of prejudices, social implication of prejudice, reduction of prejudice; Kinds of social discrimination.

Unit IV: Intergroup relations and social identity

Nature and theories: social identity and social categorizations, theories of inter-group relations; Culture and intergroup relation; Acculturation; Crowd and mob behavior; De-individuation; Riots.

Readings

1. Van Lange, P. A. M., Kruglanski, A. W., & Higgins, T. E. (2012) (Eds.). *Handbook of theories of social psychology*. London: Sage.
2. Brown, R. & Gaertner, S.L. (Eds.) (2001). *Blackwell handbook of social psychology: Intergroup processes*. Oxford: Blackwell.
3. Hogg, M. A. & Tindale, R.S. (Eds.) (2001). *Blackwell handbook of social psychology: Group processes*. Oxford: Blackwell.
4. Brown, R. & Hewstone, M. (2005). An integrative theory of intergroup contact. *Advances in Experimental Social Psychology*, 37, 255–343.
5. Pettigrew, T. F. (1998). Intergroup contact theory. *Annual Review of Psychology*, 49, 65-85
6. Shapiro, J. S. (2011). Different groups, different threats: A multi-threat approach to the experience of stereotype threats. *Personality and Social Psychology Bulletin*, 37, 464-480.
7. Paluck, E. L., & Green, D. P. (2009). Prejudice reduction: What works? A review and assessment of research and practice. *Annual Review of Psychology*, 60, 339-367.
8. Hewstone, M., Rubin, M., & Willis, H. (2002). Intergroup bias. *Annual Review of Psychology*, 53, 575-604.
9. Kerr, N. L., & Tindale, R. S. (2004). Group performance and decision making. *Annual Review of Psychology*, 55, 623-655.
10. Thompson, L. L., Wang, J. & Gunia, B.C. (2010). Negotiation. *Annual Review of Psychology*, 61, 491-515.



PSY-PG-O408

Education of Disadvantaged Groups

Unit I: Problems and Issues of Disadvantaged Groups

Disadvantaged Groups in India; Indian Scenario of Education of Disadvantaged groups; Inequality and equity issues

Unit II: Educating the Girl/ Tribal/Scheduled Caste Children

Imparting gender sensitization, Educating SC/ST children

Teaching methods and practices; out of school children – providing alternative schooling practices; Promoting research education of the disadvantaged groups

Unit III: Understanding Social Integration

The concept of social integration; The problem of caste, class, religion and language conflicts and prejudice; Nature and manifestation of prejudice; Measures to achieve social integration.

Unit IV: Indian Government Policies and Programmes

Policy measures for equality of opportunities; Educational programmes and interventions to meet the needs of special group

Readings:

1. Anand, C. L. et al. (2000). *Teacher and Education in Emerging India*. New Delhi: NCERT.
2. Illich, I. (1971). *De Schooling Society*. Middlesex: Penguin Books,
3. Jagannth, M. (2002). *Indian Education in Emerging Society*. New Delhi: Sterling Publication.
4. Kneller, G.F. (1978). *Foundation of Education*. New York: John Wiley & Sons Inc.
5. Mohanty, J. (1988). *Modern Trend in Indian Education: Current Issues and Strategies in the Context of NEP*. New Delhi: Deep and Deep.
6. Naik, J.P. (1975). *Equality, Quality and Quantity: The Elusive Triangle of Indian Education*. Bombay: Allied Publishers.
7. Naik, J.P. & Syed, N. (1974). *A Students History of Education in India*. New Delhi: MacMillan Co. of India Ltd.
8. Sharma, N. 1973. *Education of Future*. Delhi: S. Chand and Co.
9. Skutnabb-Kangas, Tove. 2007. *Bilingualism or Not: The Education of Minorities*. New Delhi: Orient Longman.
10. World Bank (2004). *Reaching Out to the Child: An Integrated Approach to Child Development*. New Delhi: Oxford University Press.



PSY-PG-C409

Field Training

One-month field training in the area of the specialisation

Notes:

1. Each student should attend one-month (30 days) field training (internship) in the hospital or rehabilitation center or industrial organization or educational institution or NGO or similar other set-up as decided and deemed pertinent by the teacher concerned.
2. The student should make a report on the same and submit to the concerned teacher.
3. The student should get a certificate of attendance from the concerned set-up mentioned in (1).

Evaluation: 100 marks

1. The concerned teacher will evaluate the performance and field training of the student with reference to the report submitted by the student.

PSY-PG-C410

DISSERTATION

Dissertation in any area of the specialisation:

Notes:

1. Selection of supervisor can be done through lottery system (In case, the number of students exceed number of teachers).
2. Each student should select a problem pertinent to his/her specialisation area in consultation with the teacher concerned.
3. Sample size should be minimum 30 in each group (e.g., control group and experimental group).
4. Dissertation report should be written in APA format.

*This will be subject to the nature of the dissertation.

Dissertation Assessment — 100 marks

1. There will be 50 marks for dissertation; and 50 marks for presentation as well as viva-voice.
2. Dissertation assessment will be based on presentation of dissertation before the internal (supervisor) and external examiner.



Division of marks for dissertation report will be as follows:

A. Evaluation of Dissertation Report (50 marks):

Sl. No.	Steps (To be evaluated by the Supervisor)	Marks (Out of 50)
1	Problem selected, its rationale and significance	5
2	Review work	10
3	Hypothesis	10
4	Methodology: Design and Analysis	10
5	Interpretation, Discussion & Implication	10
6	Overall quality of the report	5

B. Presentation & Viva-voce (50 marks):

Sl. No.	Areas (To be evaluated by the External Examiner)	Marks (Out of 50)
1	Presentation by the candidate	20
2	Viva-voce	30

Examination (Dissertation Evaluation, Presentation & Viva-voce) – 100 marks

1. End Semester Examination will be conducted by two examiners (one internal and one external) and the external examiner will be appointed by the Department Research Committee.
2. The external examiner should be at the level of either Assistant, Associate Professor or Professor.
3. Maximum duration of examination will be of 1 hour per candidate.
4. Marks for dissertation evaluation, Presentation & Viva-voce will be given by the both examiners and average marks will be considered as final marks of the candidate.

Note: Dissertation have to be submitted one week before the commencement of the examination failing which the student shall forfeit the allotted marks.



DEPARTMENT OF PSYCHOLOGY

M. Phil & Ph.D – Syllabus

Code	Title of Course	Credit	Marks
PSY-RS-C101	Research Methodology	4	100
PSY-RS-C102	Recent Advances in Psychology	4	100
PSY-RS-C103	Writing Research Proposal	4	100



PSY-RS-C101

Research Methodology

Unit I: Introduction to Research Method

Philosophy of science: epistemology, ontology; Paradigms of research; Types of research

Unit II: Experimental and Non-Experimental Approaches Types of Experiment; Survey, Case Study, Observation, Interview **Unit III: Psychological Testing**

Reliability: Types of reliability, application in various settings Validity: Types, application in various settings

Test Construction, Standardization and Application; Scales

Unit IV: Reasoning and Uses of Statistical Techniques

Reasoning behind the use of statistics like t-test, ANOVA, ANCOVA, MANCOVA, Multiple Regression analysis, and Factor analysis, SEM, DFA, Path Analysis, Use of Statistical Packages

Readings:

1. Broota, K. D. (2006). *Experimental Designs in Behavioural Research*. New Delhi: New Age Publishers.
2. Heiman, G. W. (1995). *Research Methods in Psychology*. Boston: Houghton Mifflin Co.
3. Kerlinger, F. N (1983). *Foundations of Behavioural Research*. New Delhi: Surjeet Publications.
4. Anastasi, A., & Urbina, S. (1997). *Psychological testing*. New Delhi: Prentice Hall.
5. Aron, A., Aron, E. N., & Coups, E. (2012). *Statistics for Psychology*. New Delhi: Pearson.
6. Breakwell, G.M., Hammond, S., & Fife-Schaw, C. (2000). *Research Methods in Psychology* (2nd ed.). London: Sage Publications.
7. Field, A. (2007). *Discovering statistics using SPSS*. New Delhi: Sage.
8. King, B.M. & Minium, E.W. (2007). *Statistical Reasoning in the Behavioural Sciences*. (5th Edition) USA: John Wiley.
9. Kopala, M., & Suzuki L.A. (1999). *Using qualitative Methods in Psychology* (2nd ed). Thousand Oaks: Sage.
10. Giles, D. (2002). *Advanced Research method in Psychology*. New York: Psychology Press.
11. *Against methods* By Paul Fyerand
12. *In search of methods*. By Jean Paul Sartre



PSY-RS-C102

Recent Advances in Psychology

Unit I: Personality

Recent Research on Five Factor Model of Personality, Big Five, Cattell's Theory of Personality, Eysenck

Unit II: Emotion

Recent Research on emotion, emotional Intelligence; Emotional Labour; Emotional Regulation

Unit III: Cognition

Recent research on judgment and decision making; creativity; attribution and perception

Unit IV: Status of Psychology Research in India

Research based on Indian Thoughts; Research based on Western Concepts Recent research on Mental Health

Note: Units will be taught by referring to research articles of last ten years

Journal Readings:

1. Emotion (published by American Psychological Association, APA)
2. Journal of Personality and Social Psychology (published by APA)
3. Psychological Bulletin (published by APA)
4. Journal of Occupational Health Psychology (published by APA)
5. Psychological Science (published by Sage in collaboration with Association for Psychological Sciences)
6. Clinical Psychological Sciences (published by Sage in collaboration with Association for Psychological Sciences)
7. Current Directions in Psychological Science (published by Sage in collaboration with Association for Psychological Sciences)
8. Annual Review of Psychology (published by Annual Review)
9. Cognition and Emotion (published by Taylor & Francis)
10. Motivation and Emotion (published by Springer)